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ENVIRONMENTAL MONITORING AND BASELINE DATA

Compiled under the
SMITHSONIAN INSTITUTION
ENVIRONMENTAL SCIENCES PROGRAM

Temperate Studies

Volume III

Rhode River, Maryland

Edited by David L. Correll

1974

ENVIRONMENTAL MONITORING AND BASELINE DATA

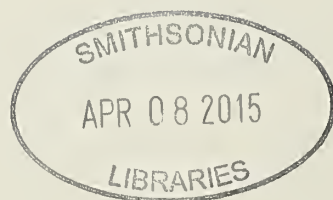
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Surface and Bottom Water Stations (maps 2 and 4)

Dissolved Oxygen (mg O_2 /liter)

Turbidity (Jackson Units)

Alkalinity (mg Ca CO_3 /liter)

Dissolved Oxygen - Samples were fixed in the field and titrated in the laboratory using the azide modification of the Winkler method (American Public Health Association, 1971. "Standard Methods for the Examination of Water and Waste Water". 13th Ed. APHA, New York).

Turbidity - Measured in the field with a Hach, Model 2100A, turbidimeter operated from a 12 volt lead storage battery by means of a solid state power inverter.

Alkalinity - Measured by acid titration to a phenolphthalein end point for carbonate and a bromocresol green-methyl red end point for bicarbonate (American Public Health Association, 1971. 13th Ed. APHA, New York).

Principal Investigator: David L. Correll, Radiation Biology Laboratory, Smithsonian Institution.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation and the Smithsonian Institution's Environmental Sciences Program.

Surface Water Stations (map 2)

Dissolved Oxygen (mg O₂/liter)

Turbidity (Jackson Units)

Alkalinity (mg CaCO₃/liter)

Day of 1974	Dissolved Oxygen	Turbidity	Alkalinity Total	Alkalinity Phenolphthalein
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Surface Water Station 1

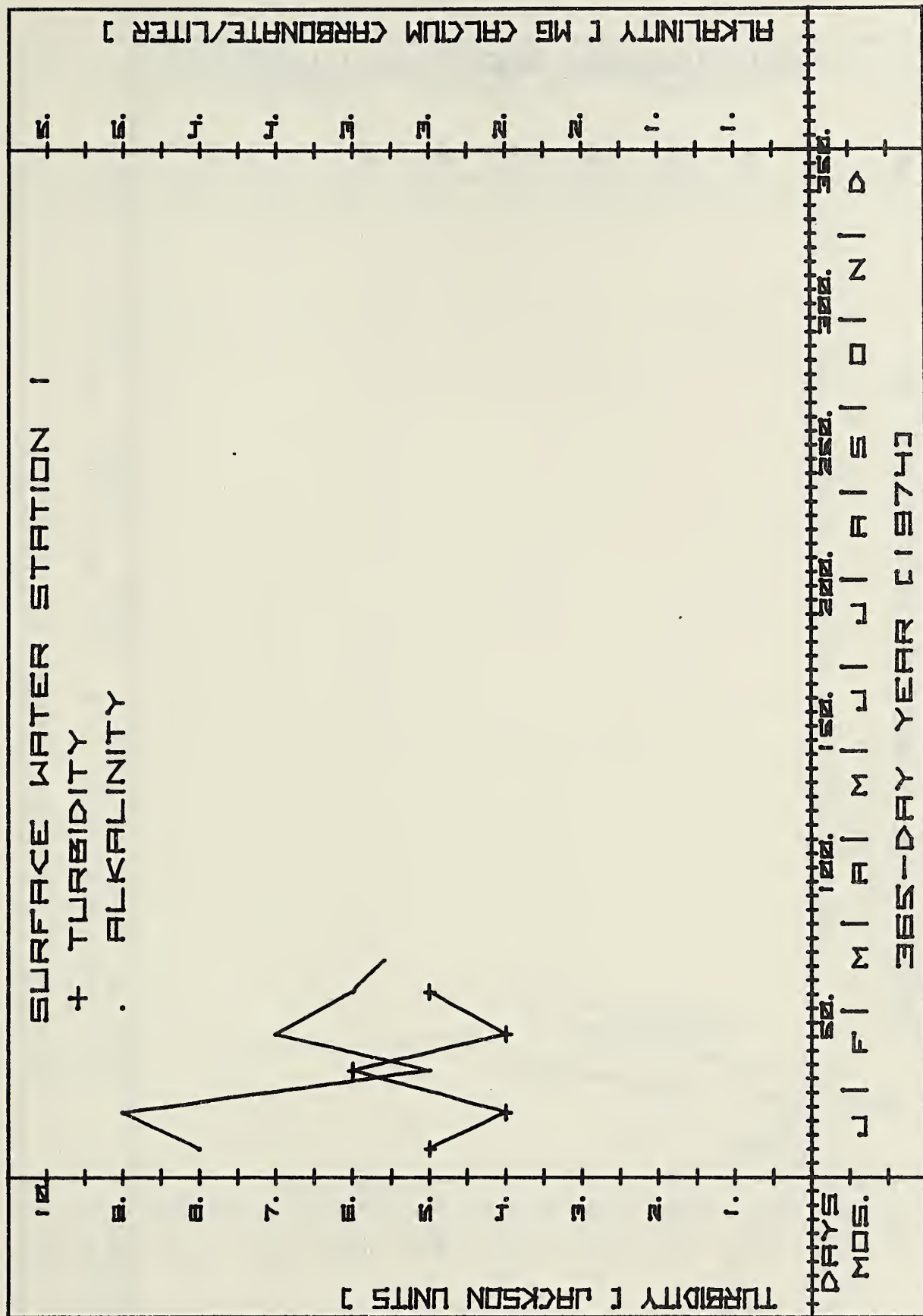
10	-	5.0	4.0	0
23	-	4.0	4.5	0
38	-	6.0	2.5	0
51	-	4.0	3.5	0
66	-	5.0	3.0	0
77	-	-	2.8	0

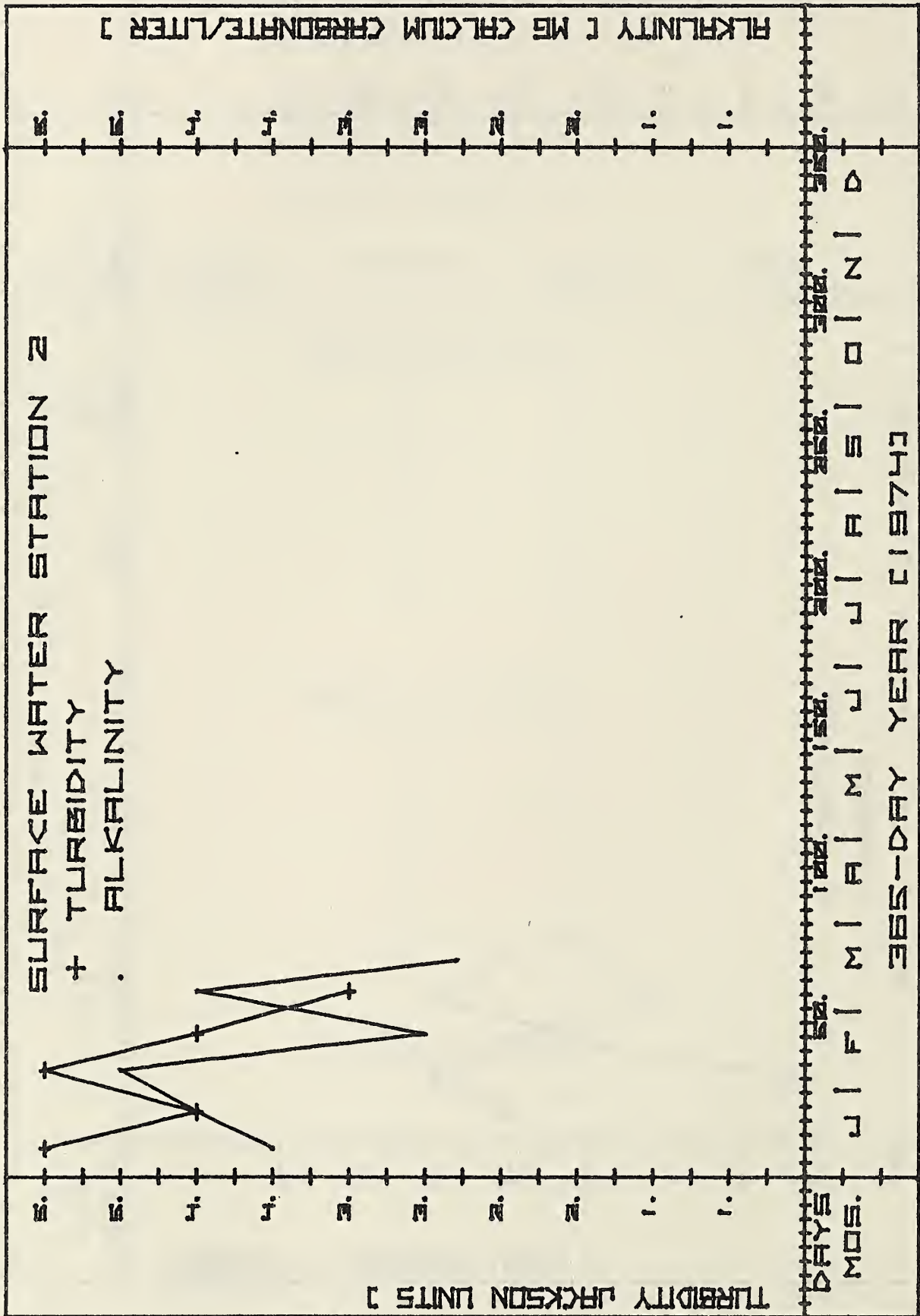
Surface Water Station 2

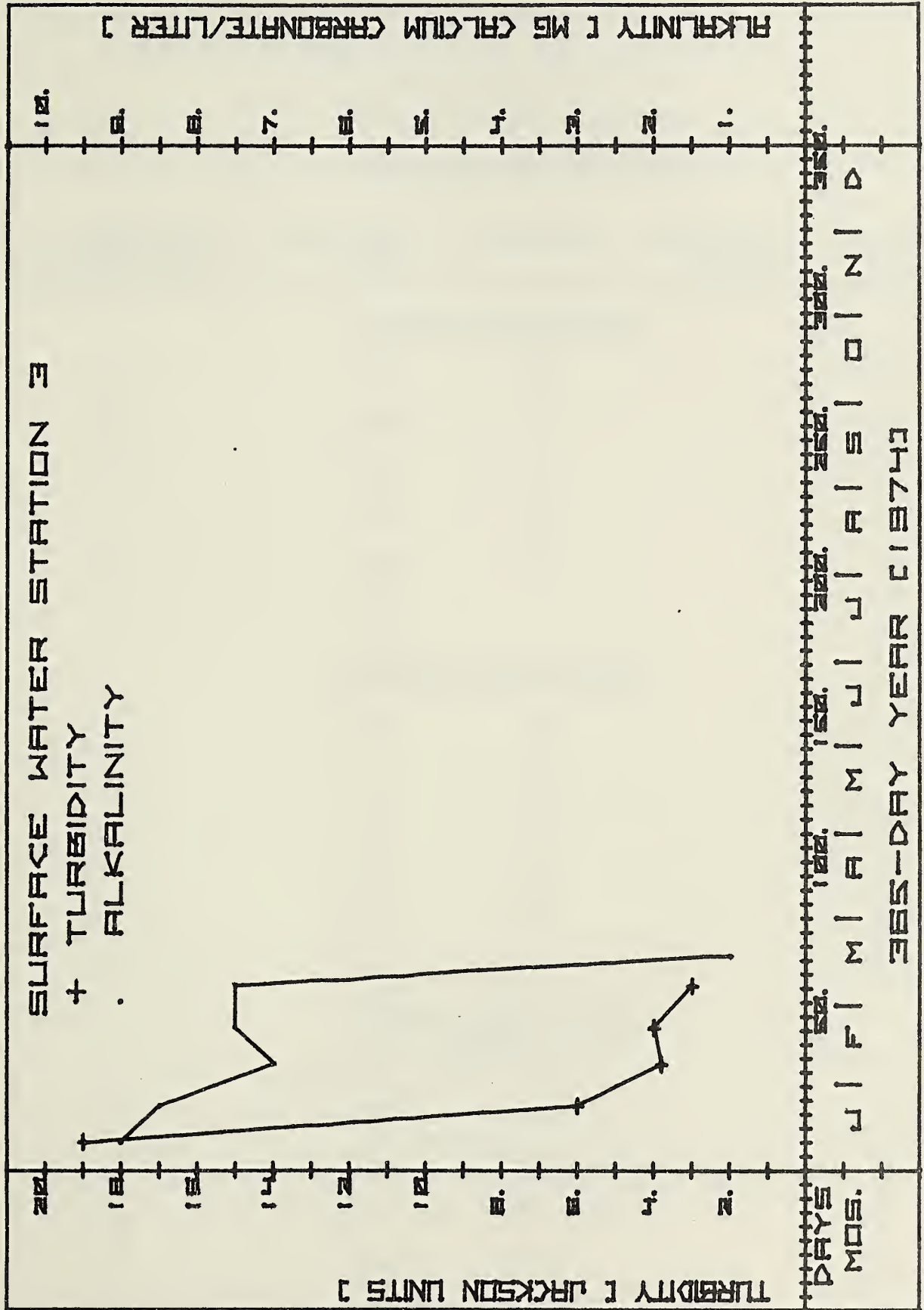
10	-	5.0	3.5	0
23	-	4.0	4.0	0
38	-	5.0	4.5	0
51	-	4.0	2.5	0
66	-	3.0	4.0	0
77	-	-	2.3	0

Surface Water Station 3

10	-	19	9.0	0
23	-	6.0	8.5	0
38	-	3.8	7.0	0
51	-	4.0	7.5	0
66	-	3.0	7.5	0
77	-	-	<1	0







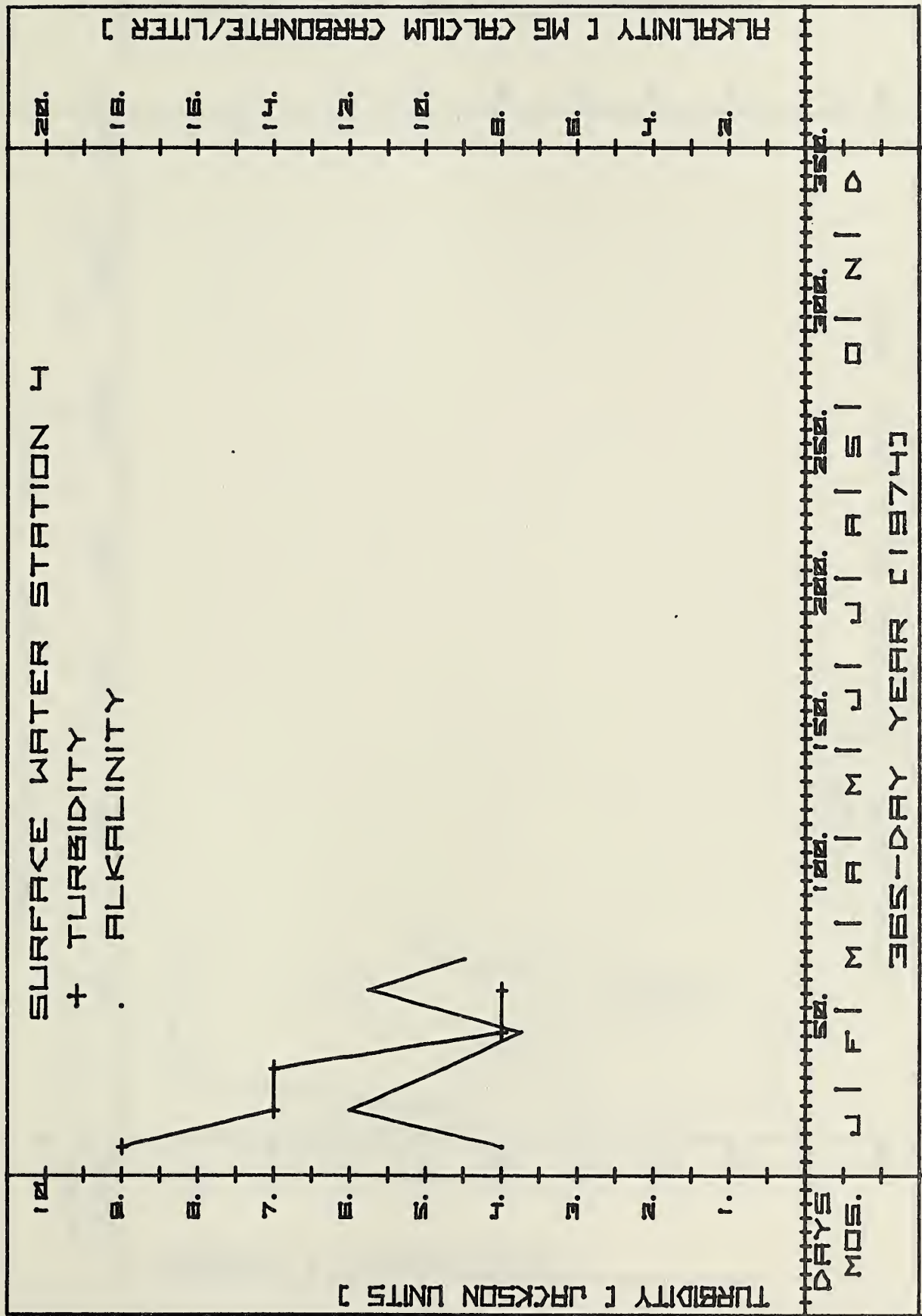
Surface Stations (Cont'd)

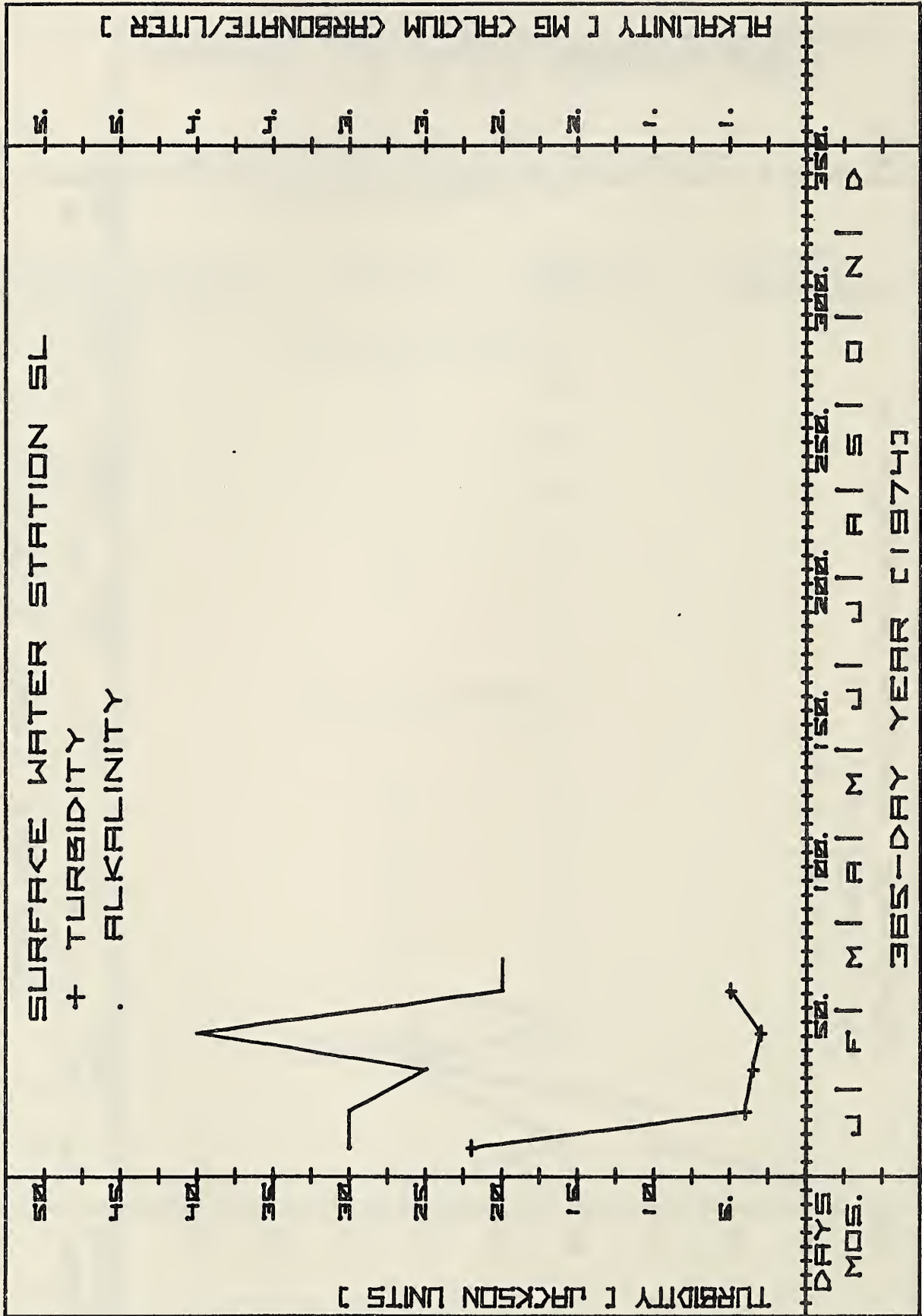
Dissolved Oxygen (mg O₂/liter)

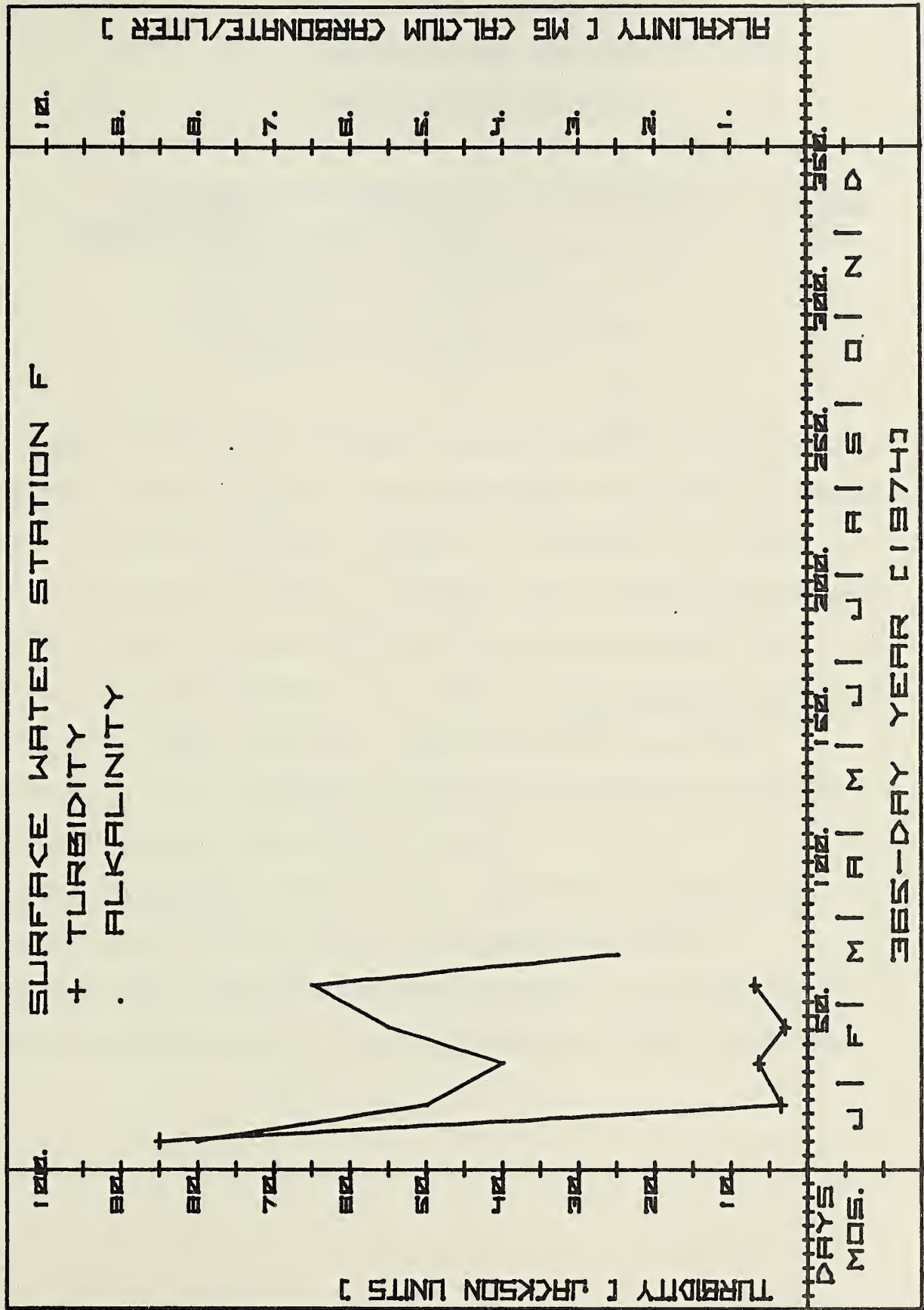
Turbidity (Jackson Units)

Alkalinity (mg CaCO₃/liter)

Day of 1974	Dissolved Oxygen	Turbidity	Alkalinity Total	Alkalinity Phenolphthalein
<u>Surface Water Station 4</u>				
10	-	9.0	8.0	0
23	-	7.0	12.0	0
38	-	7.0	9.5	0
51	-	4.0	7.5	0
66	-	4.0	11.5	0
77	-	-	9.0	0
<u>Surface Water Station SL</u>				
10	-	22	3.0	0
23	-	4.0	3.0	0
38	-	3.5	2.5	0
51	-	3.0	4.0	0
66	-	5.0	2.0	0
77	-	-	2.0	0
<u>Surface Water Station F</u>				
10	-	85	8.0	0
23	-	3.5	5.0	0
38	-	6.5	4.0	0
51	-	3.0	5.5	0
66	-	7.0	6.5	0
77	-	-	2.5	0







Groundwater - spring

Turbidity (Jackson Units)

Alkalinity (mg CaCO₃/liter)

Day of 1974	Turbidity	Alkalinity Total	Alkalinity Phenolphthalein
23	11	5.0	0
38	6.5	-	0
51	7.0	4.5	0
66	2.0	-	0

Suspended Particles in Volume-Integrated Watershed Runoff Samples

Total Particulates (mg/liter)

Mineral Particulates (mg/liter)

Organic Particulates (mg/liter)

Mineral Particulate Discharge Rate
(Kg/watershed/time interval)Organic Particulate Discharge Rate
(Kg/watershed/time interval)

Techniques - The water was filtered through 47 mm diam., 0.45 pore size, pretreated membrane filters. Gravimetric methods were used for concentrations of total solids (Banse, K; Falls, C. P.; Hobson, L. A. (1963). Deep Sea Research 10; 639-642). Oxidizable organic matter was determined by loss of weight upon oxidation with 30% hydrogen peroxide (Pierce, J. W.; Nelson, D. D.; and Colquhoun, D. J. (1972). In Shelf Sediment Transport, Ed. by Swift, Duane, and Pilkey. Dowden, Hutchinson, and Ross; Straoudsburg, Pa. pp. 281-306). Mineralogy was determined as described under soils analysis section of this report.

Principal Investigator: Jack W. Pierce, Department of Paleobiology, National Museum of Natural History, Smithsonian Institution.

Research Funding: Smithsonian Research Foundation and the Program for Research Applied to National Needs of the National Science Foundation.

Data for North Branch of Muddy Creek Weir (Station 1)

Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
3-10	1.77 ^a	22.5 ^c	19.7 ^c	2.8 ^c
10-17	0.71 ^a	22.5	19.7	2.8
17-24	1.3	24.8	13.4	1.4
24-31	1.6	36.1	32.2	3.9
31-38	1.1	16.4	11.7	4.7
38-45	1.2	26.8	25.6	1.2
52-59	0.79	28.7	27.9	0.8
59-66	0.76	27.8	22.9	4.9
66-73	0.74	43.7	38.6	5.1
73-84	3.98	24.9	67.0	7.9
84-91	4.65	16.5	14.3	2.2
91-98	2.98	20.6	16.5	4.1
98-105	4.44	39.1	33.5	5.6
105-112	1.65	29.7	25.3	4.4
112-119	1.32	17.4	14.3	3.1
119-126	1.08	24.2	14.3	9.9
126-133	1.18	26.4	14.8	11.6
133-140	1.13	17.0	12.7	4.3
140-148	0.51	40.3	32.9	7.4
148-154	1.96	98.0	86.2	11.8
154-161	1.11	44.8	40.5	4.3

^aData calculated partially from flow meter data.^cConcentrations estimated by interpolation.

Data for North Branch of Muddy Creek Weir (Station 1)

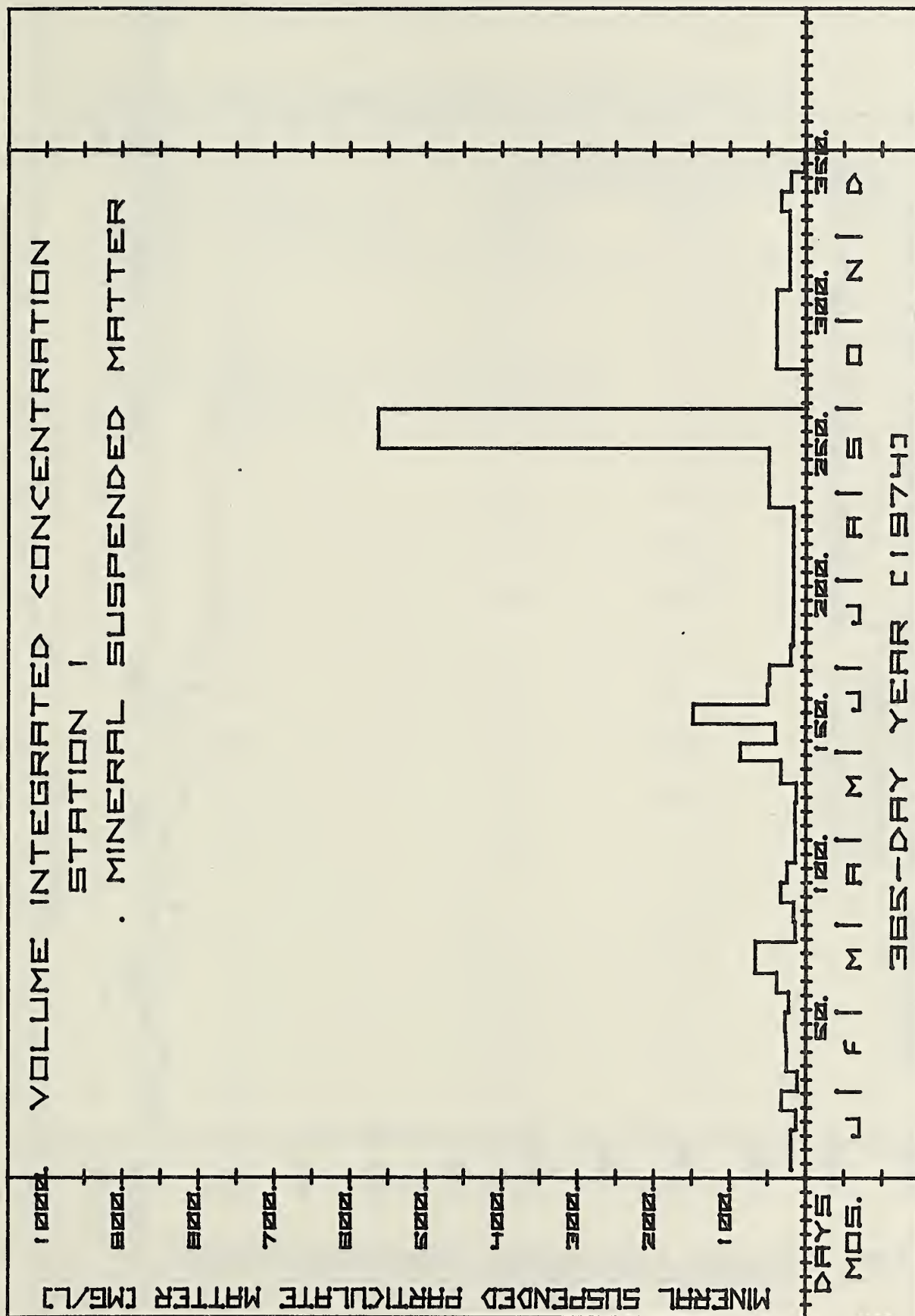
Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
161-168	0.46	165.8	148.7	17.1
168-175	0.37	64.2	51.2	13.0
175-182	0.45	62.8	48.2	13.6
182-189	0.17	40.4	20.6	19.8
189-196	0.004	34.4	16.7	17.7
196-203	0.002 ^d	34.4 ^c	16.7 ^c	17.7 ^c
203-210	0.000005 ^d	34.4 ^c	16.7 ^c	17.7 ^c
210-217	0.0007 ^d	34.4 ^c	16.7 ^c	17.7 ^c
217-224	0.002 ^d	34.4 ^c	16.7 ^c	17.7 ^c
224-231	0.0002 ^d	34.4 ^c	16.7 ^c	17.7 ^c
231-238	0.0002 ^d	34.4 ^c	16.7 ^c	17.7 ^c
238-245	0.000002 ^c	65.1 ^c	48.9 ^c	16.2 ^c
245-252	0.1	65.1	48.9	16.2
252-259	0.16	65.1 ^c	48.9 ^c	16.2 ^c
259-266	0.004 ^d	678.5 ^c	563.2 ^c	115.3 ^c
266-273	0.91	678.5	563.2	115.3
273-287	-----Stream Dry-----			
287-294	0.27	44.8	38.5	6.3
294-302	0.06 ^d	44.8 ^c	38.5 ^c	6.3 ^c
302-308	0.03	44.8 ^c	38.5 ^c	6.3 ^c
308-315	0.06	44.8 ^c	38.5 ^c	6.3 ^c

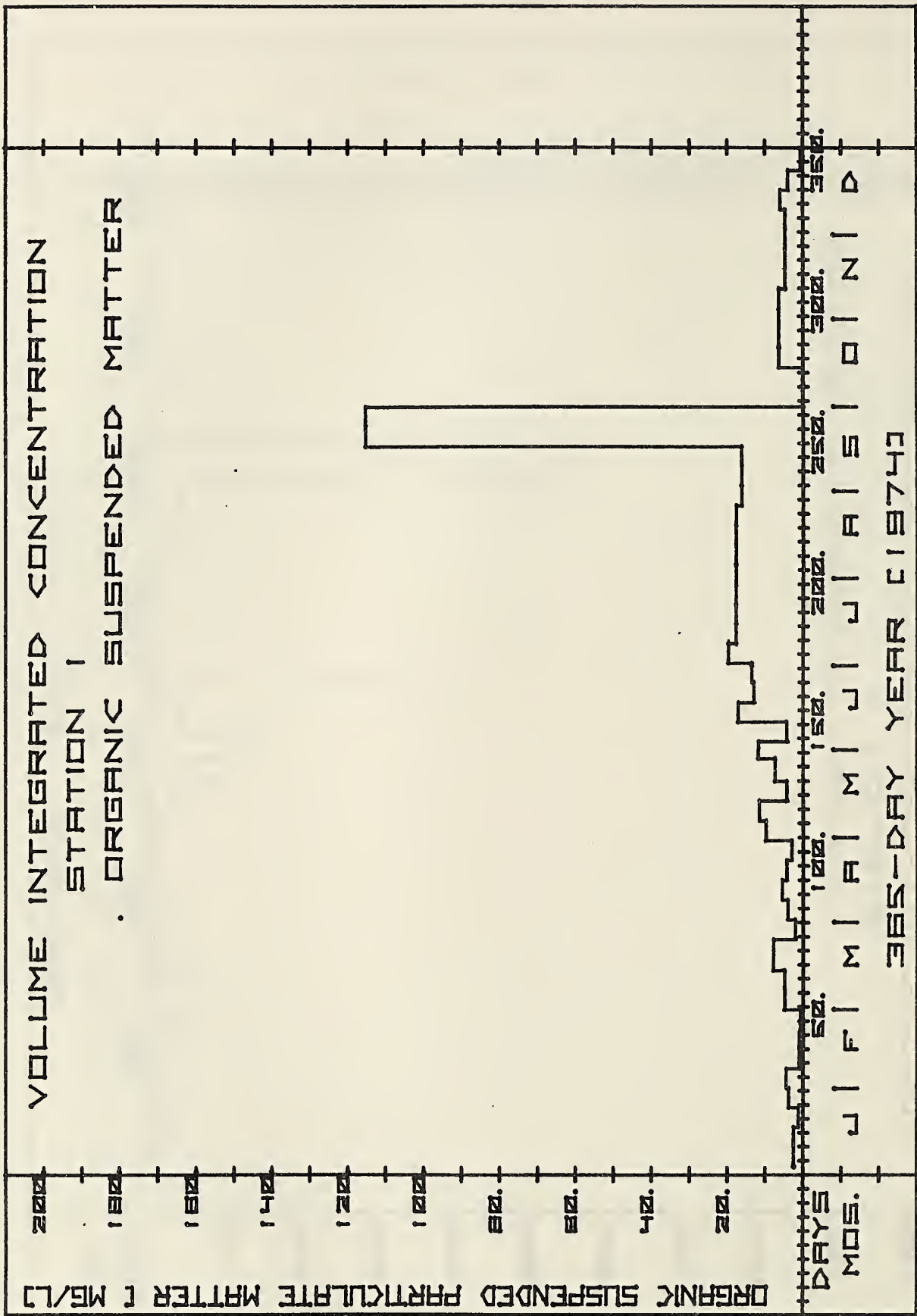
^dIntermittent flow during this time period.^cConcentrations estimated by interpolation.

Data for North Branch of Muddy Creek Weir (Station 1)

Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
315-322	0.1	26.8 ^c	22.1 ^c	4.7 ^c
322-329	0.1	26.8 ^c	22.1 ^c	4.7 ^c
329-336	0.32	26.8 ^c	22.1 ^c	4.7 ^c
336-343	0.89	26.8	22.1	4.7
343-350	0.73	36.8	32.8	6.0
350-357	1.38	23.9	20.0	3.9
357-364	0.49	2.7	2.1	0.6
364-365	0.06	2.7 ^c	2.1 ^c	0.6 ^c

^cConcentrations estimated by interpolation.





Data for Blue Jay Branch of Muddy Creek Weir (Station 2)

Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
3-10	1.7 ^b	18.9 ^c	16.2 ^c	2.7 ^c
10-17	0.58 ^b	18.9 ^c	16.2 ^c	2.7 ^c
17-24	0.89 ^a	18.9	16.2	2.7
24-31	1.5 ^a	21.1	17.8	3.3
31-38	1	15.6	11.3	4.3
38-45	1	24.2	20.5	3.7
45-52	0.89	24.2 ^c	20.5 ^c	3.7 ^c
52-66	0.7	27.4	24.6	2.8
66-73	0.6	25.2	22.2	3.0
73-84	3.6 ^a	111.2	98.4	12.8
84-91	4.6	29.5	26.0	3.5
91-98	2.4	8.2	7.1	1.1
98-105	4	11	7.7	2.3
105-112	1.3	14	11.9	2.1
112-119	1	4.2	3	1.2
119-126	1.2	17.8	11.2	6.6
126-133	0.98	9.4	6.5	2.9
133-140	0.55	6.4	4.9	1.5
140-148	0.33	31.2	28	3.2

^aData calculated partially from flow meter data.

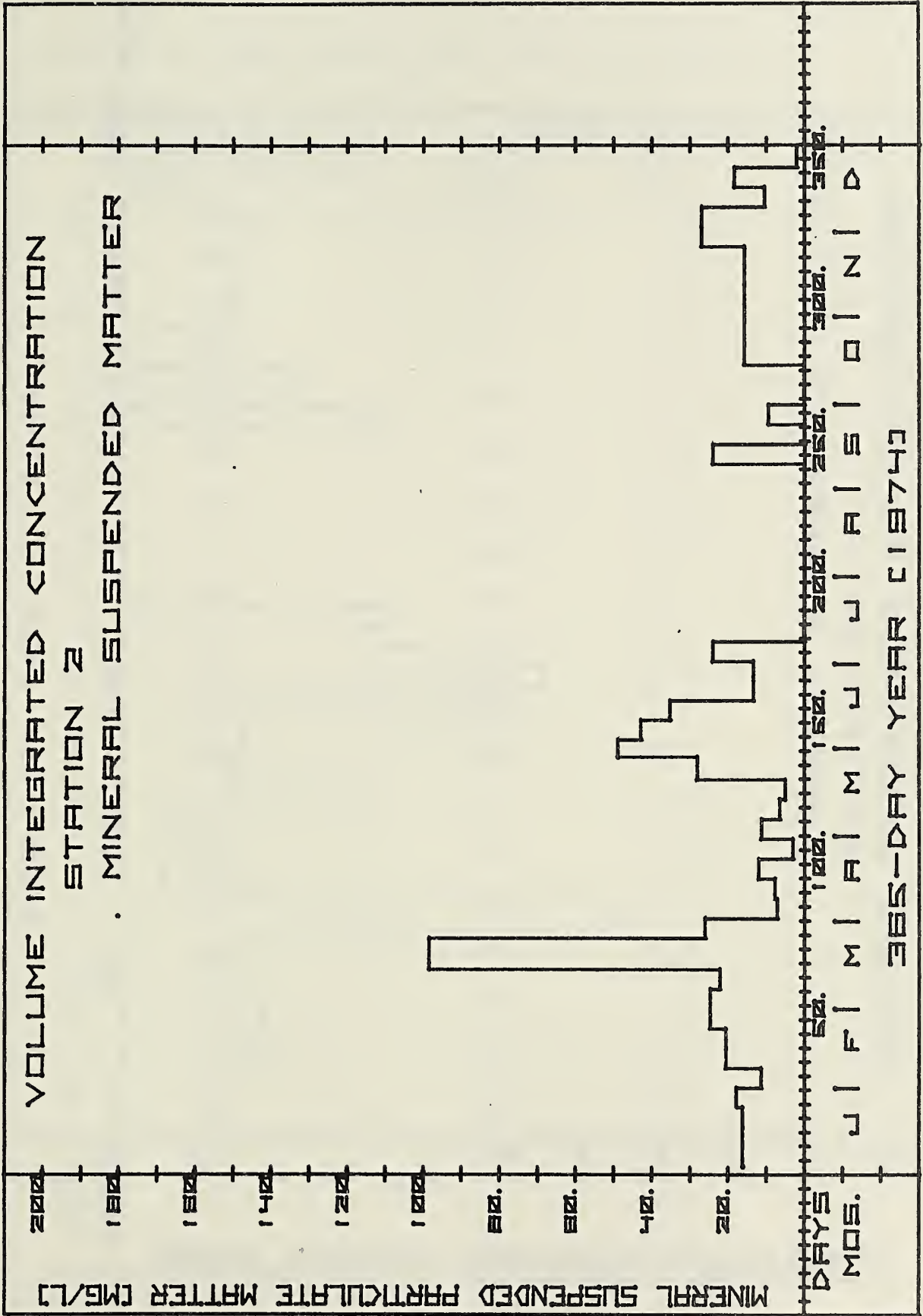
^bFlow was estimated by correlation of flow at weir 1.

^cConcentrations estimated by interpolation.

Data for Blue Jay Branch of Muddy Creek Weir (Station 2)

Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
148-154	1.9	48.9	48.8	10.1
154-161	0.85	44.6	42.9	1.7
161-168	0.19	46.2	35.1	11.1
168-175	0.26	21.6	13.4	8.2
175-182	0.38	19.4	13.3	6.1
182-189	0.05	30.9	24	6.9
189-252	-----Stream Dry-----			
252-259	0.0002	30.9 ^C	24 ^C	6.9 ^C
259-266	-----Stream Dry-----			
266-273	0.01	14.2	9.4	4.8
273-287	-----Stream Dry-----			
287-294	0.11	18.7	15.7	3.0
294-302	0.01	18.7 ^C	15.7 ^C	3.0 ^C
302-308	0.01	18.7 ^C	15.7 ^C	3.0 ^C
308-315	0.02	18.7 ^C	15.7 ^C	3.0 ^C
315-322	0.06	18.7 ^C	15.7 ^C	3.0 ^C
322-329	0.05	18.7 ^C	15.7 ^C	3.0 ^C
329-336	0.38	38.3 ^C	26.9 ^C	1.4 ^C
336-343	0.83	28.3	26.9	1.4
343-350	0.71	11.5	10.5	0.6
350-357	1.18	24.8	18.3	6.5
357-364	0.52	2.6	2.0	0.6
364-365	0.05	2.6 ^C	2.0 ^C	0.6 ^C

^CConcentrations estimated by interpolation.



Data for Williamson Branch of Muddy Creek Weir (Station 3)

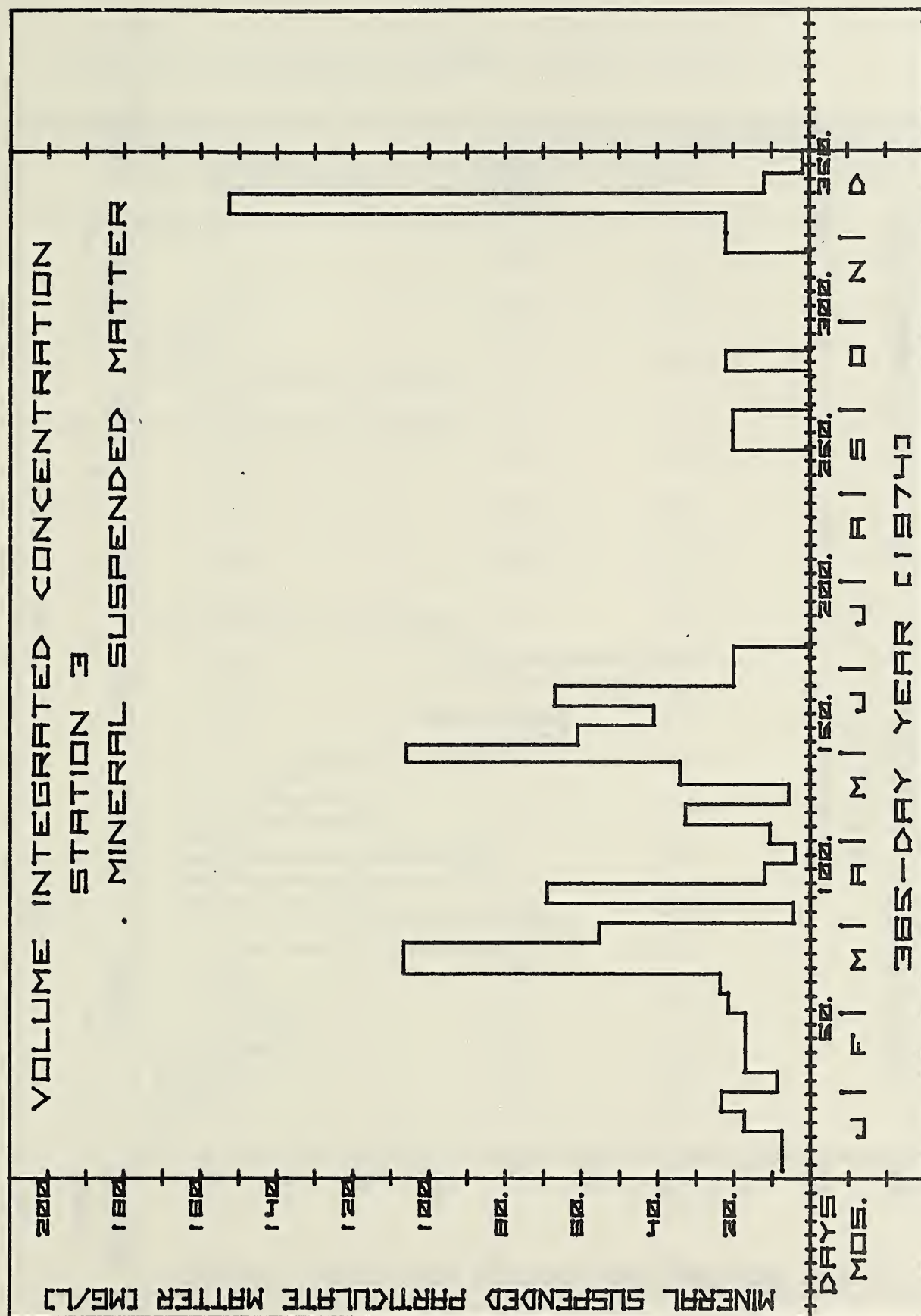
Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
3-10	0.64 ^a	8.4 ^c	7.5 ^c	0.9 ^c
10-17	2.29 ^a	8.4	7.5	0.9
17-24	1.29 ^a	20	17.4	2.6
24-31	1.85 ^a	24.1	23.4	0.7
31-38	1.38 ^a	10.7	8.9	1.8
38-45	1.41	21.7	17.1	4.6
45-52	1.1	20.4 ^c	17 ^c	3.4 ^c
52-59	1.07	19.2	17	2.2
59-66	0.99	24.2	21.6	2.6
66-73	0.96	26.6	23.8	2.8
73-84	4.38 ^b	118.2	106.7	11.5
84-91	5.12 ^b	62 ^c	55.6 ^c	6.4 ^c
91-98	3.28 ^b	5.9	4.5	1.4
98-105	4.88 ^b	78.4	69.1	9.3
105-112	1.82 ^b	13.4	12.2	1.2
112-119	1.45 ^b	7.2	4.1	3.1
119-126	1.06 ^a	17.1	10.6	6.5
126-133	1.35	36.6	32.8	3.8
133-140	0.57	10.2	5.7	4.5
140-148	0.4	43.1	34.2	8.9
148-154	2.1	117.3	105.9	11.4

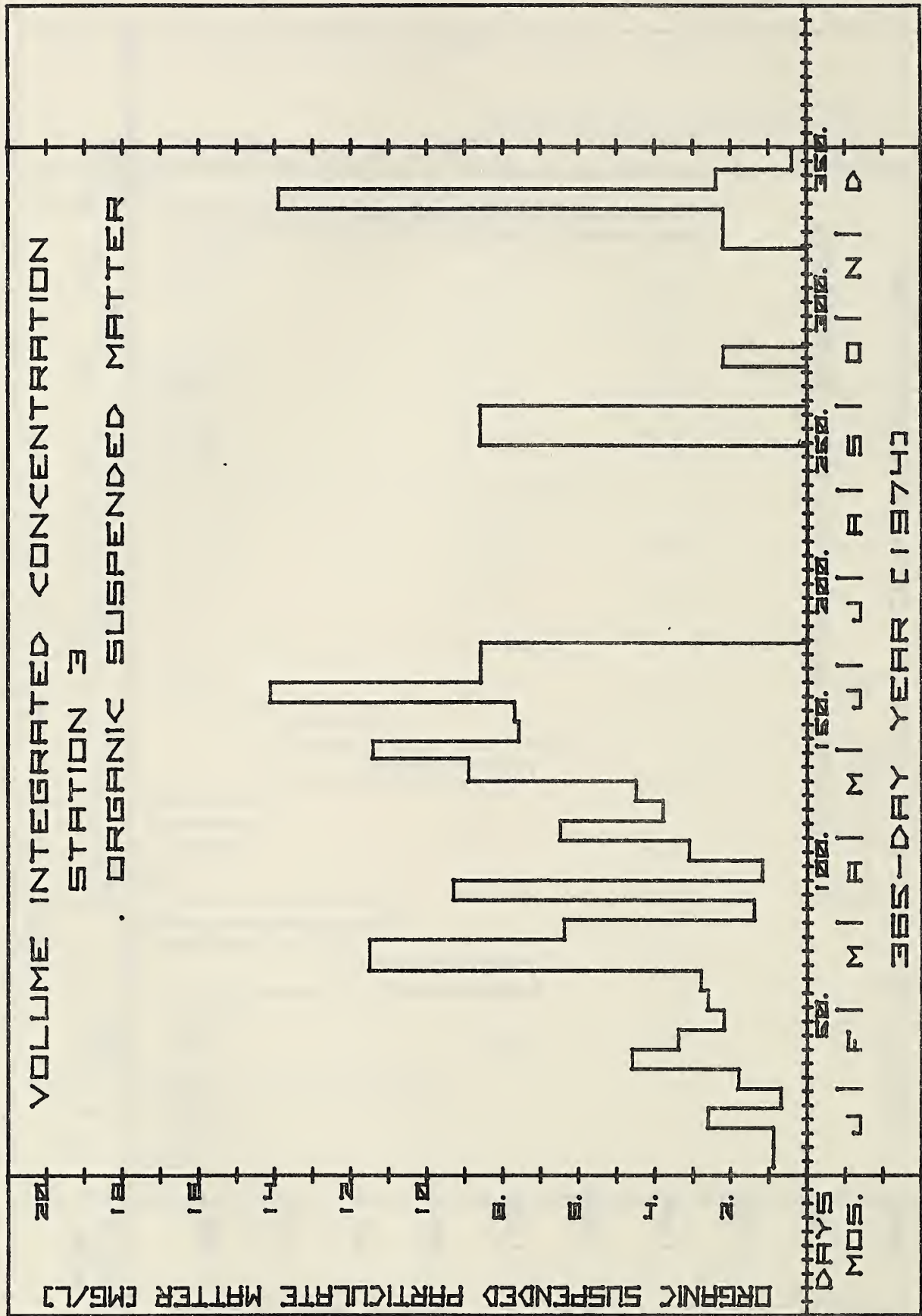
^aData calculated partially from flow meter data^bFlow was estimated by correlation of flow at weir 1.^cConcentrations estimated by interpolation.

Data for Williamson Branch of Muddy Creek Weir (Station 3)

Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
154-161	0.63	68.8	61.2	7.6
161-168	0.17	48.9	41.2	7.7
168-175	0.28	81.0	66.9	14.1
175-182	0.46	28.9	20.3	8.6
182-189	0.05	28.9 ^c	20.3 ^c	8.6 ^c
189-259	-----	Stream Dry -----		
259-266	0.001	28.9 ^c	20.3 ^c	8.6 ^c
266-273	0.02	28.9 ^c	20.3 ^c	8.6 ^c
273-287	-----	Stream Dry -----		
287-294	0.01	24.3 ^c	22.1 ^c	2.2 ^c
294-329	-----	Stream Dry -----		
329-336	0.42	24.3 ^c	22.1 ^c	2.2 ^c
336-343	0.48	24.3	22.1	2.2
343-350	0.49	166.4	152.5	13.9
350-357	0.73	14.5	12.1	2.4
357-364	0.28	2.4	2.0	0.4
364-365	0.03	2.4 ^c	2.0 ^c	0.4 ^c

^cConcentrations estimated by interpolation.





Data for Steinlein Branch of Muddy Creek Weir (Station SL)

Days of 1974	Water Discharge (liters X 10 ⁷ /interval	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
3-10	1.1	25.5 ^c	23 ^c	2.5 ^c
10-17	1.7 ^a	25.5	23	2.5
17-24	1 ^a	21.2	20.2	1
24-31	1.1	24.5	23.4	1.1
31-38	0.67	8.5	6.9	1.6
38-45	0.78	34.2	29	5.2
45-52	0.68	30.2 ^c	27.7 ^c	3.5 ^c
52-59	0.54	28.2	26.4	1.8
59-66	0.99	34.9	29.8	5.1
66-73	0.96	36.7	32.9	3.8
73-84	3.1	54	51.1	2.9
84-91	3.6	21	18.3	2.7
91-98	1.9	25	20	5
98-105	3.1	26.4	22.6	3.8
105-112	1.2	29.7	27	2.7
112-119	1	22	15.8	6.2
119-126	0.84	31.6	23.9	7.7
126-133	1.1	43.5	36.5	7
133-140	0.6	19.6	14.2	5.4
140-148	0.53	54.5	47.8	6.7
148-154	1.6	103	94	9

^aData calculated partially from flow meter data.

^cConcentrations estimated by interpolation.

Data for Steinlein Branch of Muddy Creek Weir (Station SL)

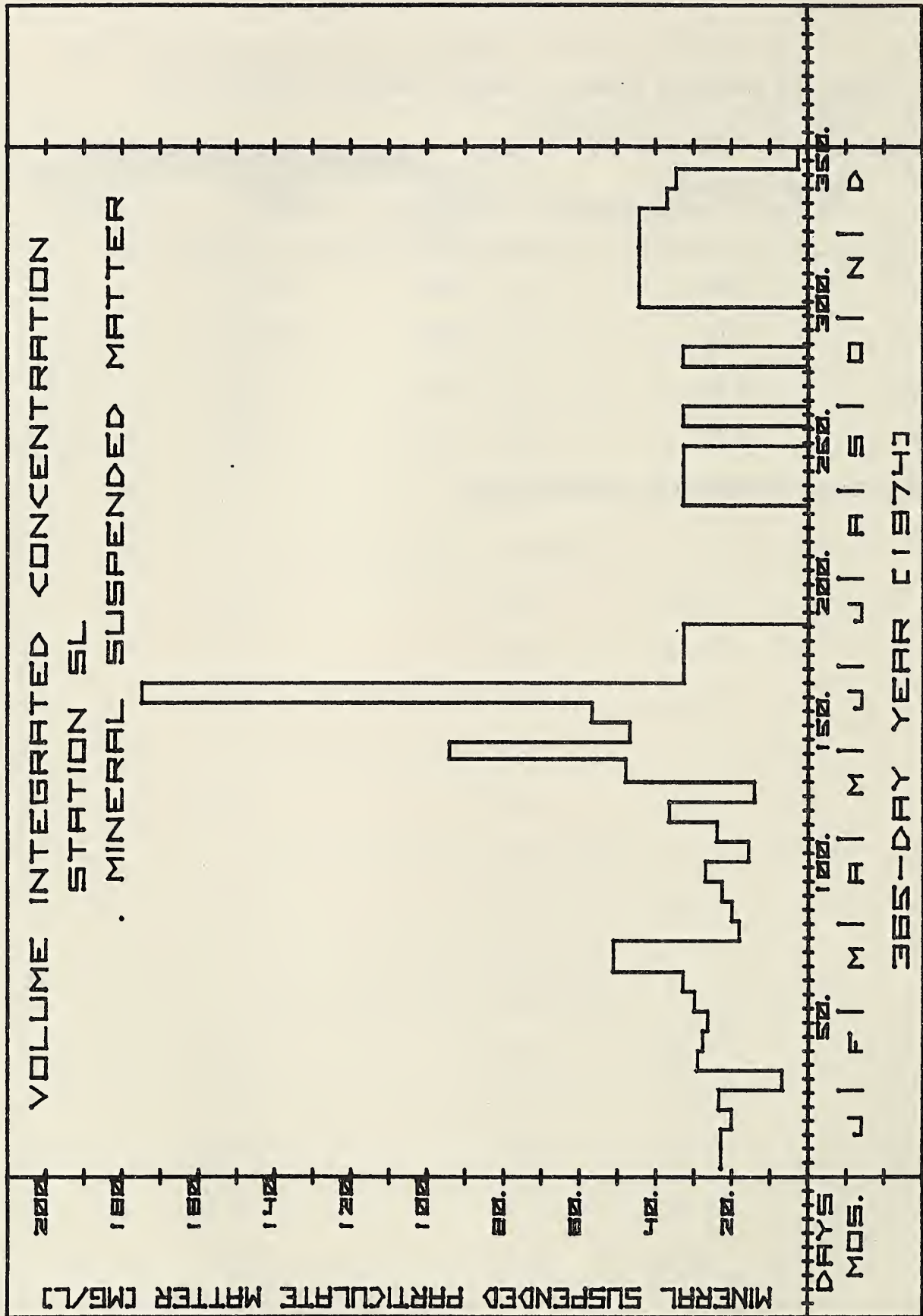
Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
154-161	0.68	55.5	46.9	8.6
161-168	0.24	62.6	56.7	5.9
168-175	0.93	226.1	174.8	51.3
175-182	0.58 ^a	48.6	32.7	15.9
182-189	0.12	48.6 ^c	32.7 ^c	15.9 ^c
189-196	0.01	48.6 ^c	32.7 ^c	15.9 ^c
196-238	-----	Stream Dry	-----	-----
238-246	0.004	48.6 ^c	32.7 ^c	15.9 ^c
246-252	0.27	48.6 ^c	32.7 ^c	15.9 ^c
252-259	0.22	48.6 ^c	32.7 ^c	15.9 ^c
259-266	-----	Stream Dry	-----	-----
266-273	0.04	48.6 ^c	32.7 ^c	15.9 ^c
273-287	-----	Stream Dry	-----	-----
287-294	0.01	48.6 ^c	32.7 ^c	15.9 ^c
294-302	-----	Stream Dry	-----	-----
302-308	-----	Stream Dry	-----	-----
308-315	0.01	47.5 ^c	44.2 ^c	3.3 ^c
315-322	0.04	47.5 ^c	44.2 ^c	3.3 ^c
322-329	0.03	47.5 ^c	44.2 ^c	3.3 ^c
329-336	0.35	47.5 ^c	44.2 ^c	3.3 ^c
336-343	0.65	47.5	44.2	3.3

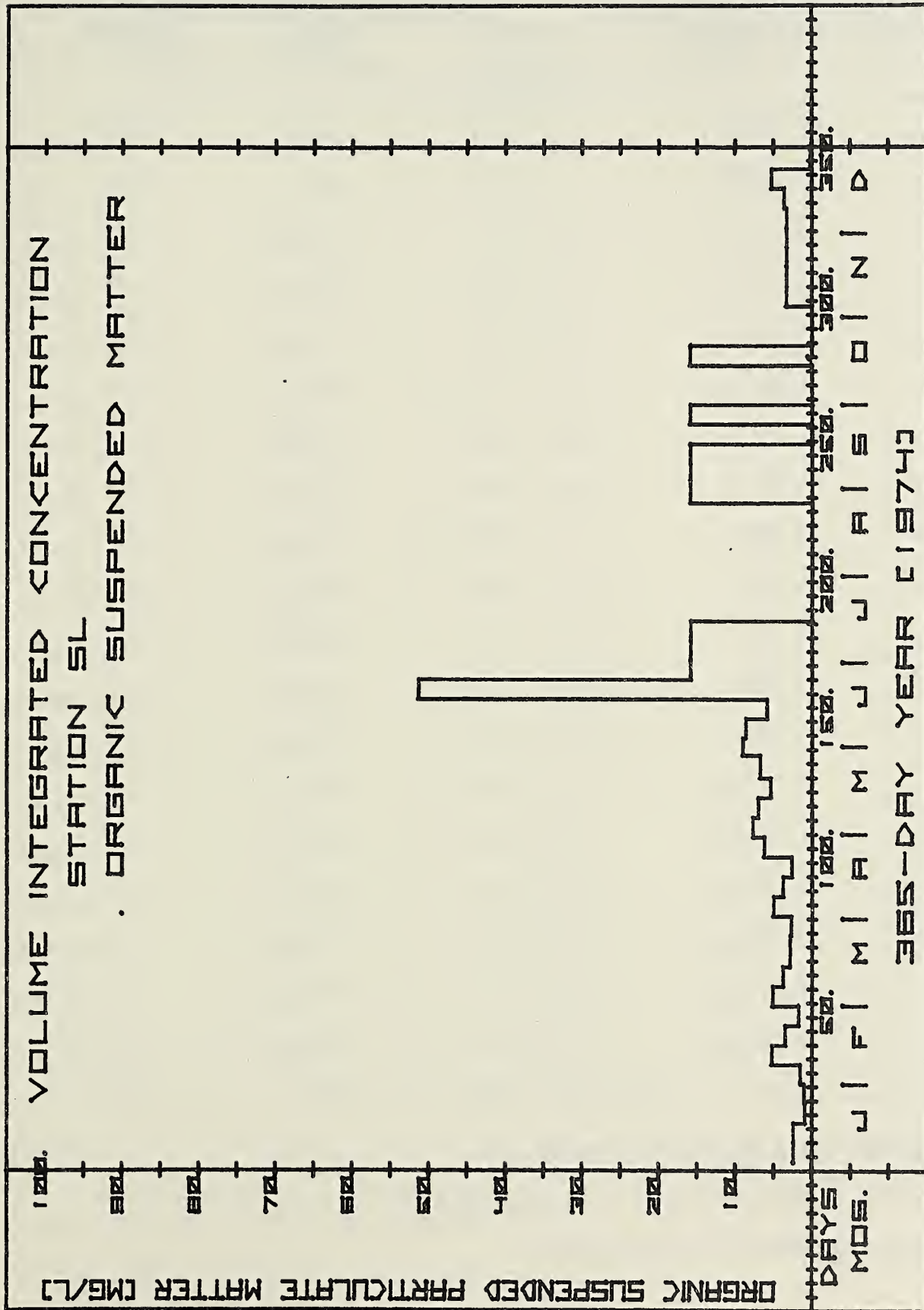
^aData calculated partially from flow meter data.^cConcentrations estimated by interpolation.

Data for Steinlein Branch of Muddy Creek Weir (Station SL)

Days of 1974	Water Discharge (liters X 10 ⁷ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
343-350	0.73	40.8	37.1	3.7
350-357	0.87	39.8	34.6	5.2
357-364	0.26	3.0	2.7	0.3
364-365	0.03	3.0 ^c	2.7 ^c	0.1 ^c

^c Concentrations estimated by interpolation.





Data for Fox Creek Weir (Station F)

Days of 1974	Water Discharge (liters X 10 ⁶ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
3-10	0.598 ^a	63.1 ^c	54.1 ^c	9.0 ^c
10-17	1.42 ^{a,b}	63.1	54.1	9.0
17-24	0.45 ^a	71.3	63.2	8.1
24-31	1.58	30.9	29.7	1.2
31-38	1.05	15.2	9.2	6.0
38-45	1.05	27.9	20.9	7.0
45-52	1.17	25.3 ^c	21.1 ^c	4.2 ^c
52-59	1.35	22.8	21.4	1.4
59-66	0.795	29.4	26.6	2.8
66-73	0.712	35.2	32.8	2.4
73-84	3.57 ^b	47.4	42.5	4.9
84-91	3.22 ^b	9.0	6.8	2.2
91-98	3.13 ^b	27.6	23.3	4.3
98-105	2.72 ^b	57.2	50.1	7.1
105-112	1.51	15.5	14.4	1.1
112-119	1.13	32.4	21.7	10.7
119-126	0.951	18.2	15.9	2.3
126-133	1.04	7.6	6.0	1.6
133-140	0.626	13.3	10.9	2.4
140-148	0.46	32.8	27.3	5.5

^aData calculated partially from flow meter data.

^bFlow was estimated by correlation of flow at weir 1.

^cConcentrations estimated by interpolation.

Data for Fox Creek Weir (Station F)

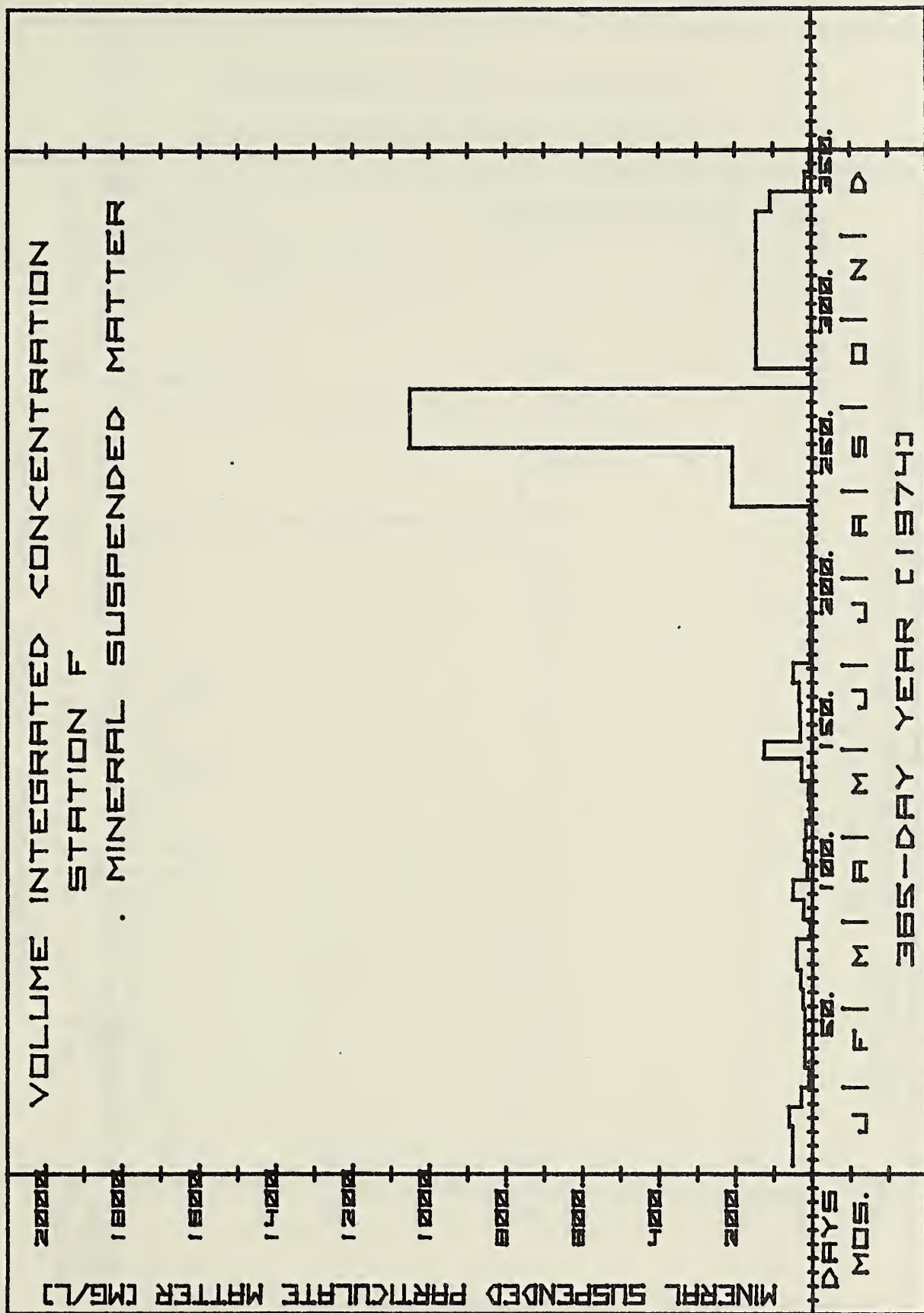
Days of 1974	Water Discharge (liters X 10 ⁶ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
148-154	1.32	137.4	123.8	13.6
154-161	0.71	37.2	32.2	4.9
161-168	0.348	35.6	33.1	2.5
168-175	0.374	43.4	35.1	8.3
175-182	0.54	60.7	49.5	11.2
182-189	0.18	9.0	6.4	2.6
189-196	0.075	9.0 ^C	6.4 ^C	2.6 ^C
196-203	0.32	9.0 ^C	6.4 ^C	2.6 ^C
203-210	0.019	9.0 ^C	6.4 ^C	2.6 ^C
210-218	0.007	9.0 ^C	6.4 ^C	2.6 ^C
218-224	0.007	9.0 ^C	6.4 ^C	2.6 ^C
224-232	0.0002	9.0 ^C	6.4 ^C	2.6 ^C
232-238	0.036	9.0 ^C	6.4 ^C	2.6 ^C
238-246	0.06	261.0 ^C	208.3 ^C	52.7 ^C
246-252	0.179	261.0	208.3	52.7
252-259	0.245	261.0 ^C	208.3 ^C	52.7 ^C
259-266	0.008	1116.5 ^C	1050.6 ^C	65.9 ^C
266-273	0.91	1116.5	1050.6	65.9
273-280	0.06	116.5 ^C	1050.6 ^C	65.9 ^C
280-287	----- Stream Dry -----			
287-294	0.156	162.7 ^C	144.4 ^C	18.3 ^C

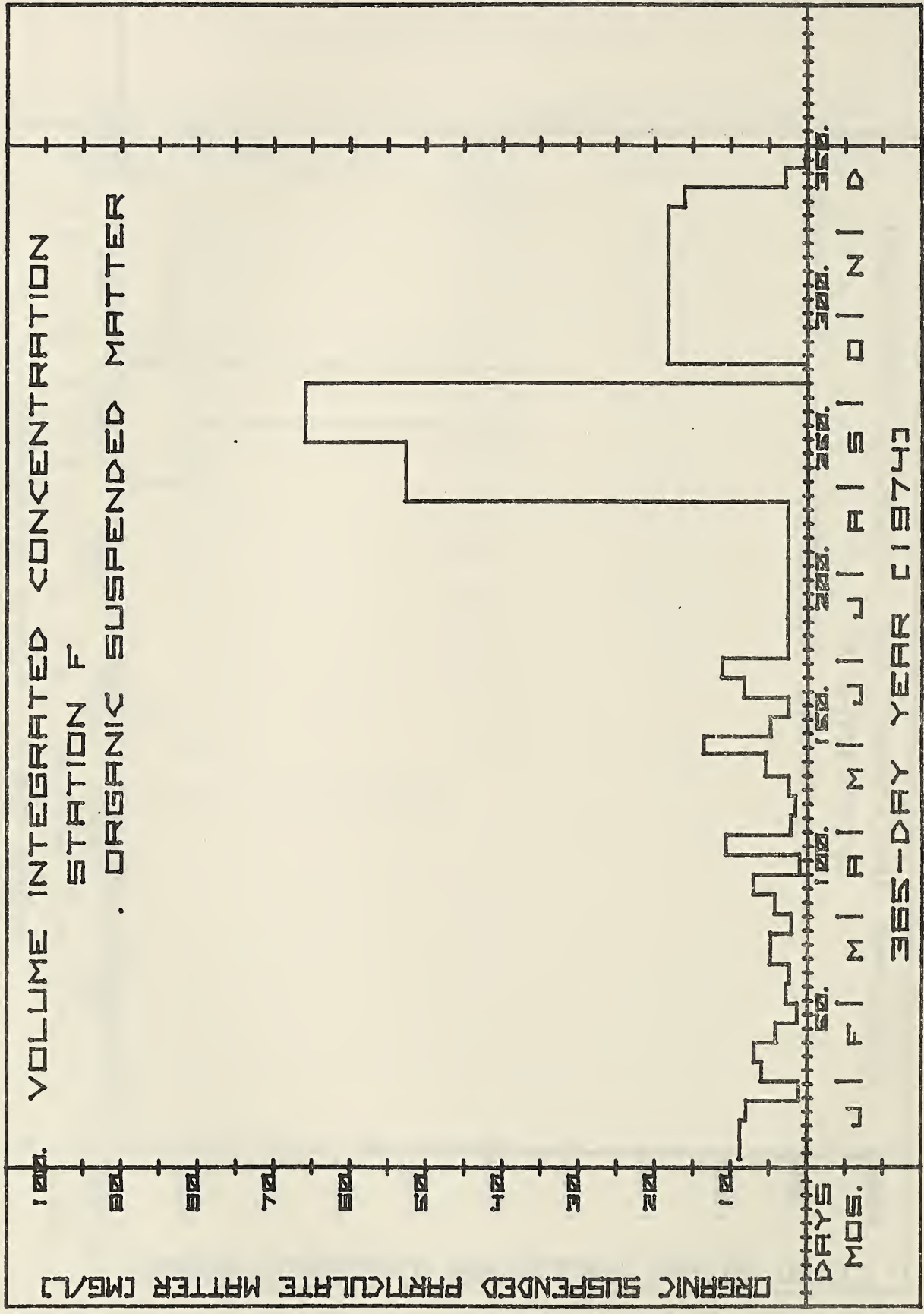
^CConcentrations estimated by interpolation.

Data for Fox Creek Weir (Station F)

Days of 1974	Water Discharge (liters X 10 ⁶ /interval)	Suspended Particulate Matter		
		Total Solids (mg/l)	Mineral (mg/l)	Organic (mg/l)
294-302	0.35	162.7 ^C	144.4 ^C	18.3 ^C
302-308	0.024	162.7 ^C	144.4 ^C	18.3 ^C
308-315	0.057	162.7 ^C	144.4 ^C	18.3 ^C
315-322	0.081	162.7 ^C	144.4 ^C	18.3 ^C
322-329	0.066	162.7 ^C	144.4 ^C	18.3 ^C
329-336	0.286	162.7 ^C	144.4 ^C	18.3 ^C
336-343	0.68	162.7	144.4	18.3
343-350	0.481	124.7	108.5	16.2
350-357	1.039	20.6	17.7	2.9
357-364	0.319	4.3	4.0	0.3
364-365	0.037	4.3 ^C	4.0 ^C	0.3 ^C

^CConcentrations estimated by interpolation.





Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
3-10	1	350 ^C	50 ^C
	2	280 ^C	46 ^C
	3	48 ^C	5.8 ^C
	SL	250 ^C	28 ^C
	F	32 ^C	5.4 ^C
10-17	1	140	20
	2	94 ^C	16 ^C
	3	170	21
	SL	390	42
	F	77	13
17-24	1	170	18
	2	140	24
	3	220	34
	SL	200	10
	F	28	3.6
24-31	1	520	62
	2	270	50
	3	430	13
	SL	260	12
	F	47	1.9

^CConcentration estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
31-38	1	130	52
	2	110	43
	3	120	25
	SL	46	11
	F	9.7	6.3
38-45	1	310	14
	2	200	37
	3	240	65
	SL	230	41
	F	22	7.4
45-52	1	280	13
	2	180	33
	3	190 ^C	37
	SL	190 ^C	24 ^C
	F	25 ^C	4.9 ^C
52-59	1	220	6.3
	2	130	15
	3	180	24
	SL	140	9.7
	F	29	1.9

^CConcentration estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
59-66	1	170	37
	2	170	20
	3	210	26
	SL	300	50
	F	21	2.2
66-73	1	290	38
	2	130	18
	3	230	27
	SL	320	36
	F	23	1.7
73-84	1	2700	310
	2	3500	460
	3	4700	500
	SL	1600	90
	F	150	17
84-91	1	660	100
	2	1200	160
	3	2800 ^c	330 ^c
	SL	660	97
	F	22	7.1

^cConcentration estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
119-126	1	150	110
	2	130	79
	3	110	69
	SL	200	65
	F	15	2.2
126-133	1	170	140
	2	64	28
	3	440	51
	SL	400	77
	F	6.2	1.7
133-140	1	140	49
	2	27	8.2
	3	32	26
	SL	85	32
	F	6.8	1.5
140-148	1	170	38
	2	92	11
	3	140	36
	SL	250	36
	F	13	2.5

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
148-154	1	1700	230
	2	930	190
	3	2200	240
	SL	1500	140
	F	160	18
154-161	1	450	48
	2	360	14
	3	390	48
	SL	320	58
	F	23	3.5
161-168	1	680	79
	2	67	21
	3	70	13
	SL	140	14
	F	12	0.87
168-175	1	190	48
	2	35	21
	3	190	39
	SL	1600	480
	F	13	3.1

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
175-182	1	220	61
	2	51	23
	3	93	40
	SL	190	92
	F	27	6.0
182-189	1	35	34
	2	120	34
	3	10 ^C	4.3 ^C
	SL	39 ^C	19 ^C
	F	1.2	0.47
189-196	1	0.67	0.71
	2	0	0
	3	0	0
	SL	2.0 ^C	1.0 ^C
	F	0.48 ^C	0.20 ^C
196-203	1	0.33 ^C	0.35 ^C
	2	0	0
	3	0	0
	SL	0	0
	F	2.0 ^C	0.83 ^C

^CConcentration estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
203-210	1	0.00084 ^C	0.00088 ^C
	2	0	0
	3	0	0
	SL	0	0
	F	0.12 ^C	0.05 ^C
210-217	1	0.12 ^C	0.12 ^C
	2	0	0
	3	0	0
	SL	0	0
	F	0.04 ^C	0.02 ^C
217-224	1	0.33 ^C	0.35 ^C
	2	0	0
	3	0	0
	SL	0	0
	F	0.04 ^C	0.02 ^C
224-231	1	0.033 ^C	0.035 ^C
	2	0	0
	3	0	0
	SL	0	0
	F	0.00096 ^C	0.00039 ^C

^CConcentrations estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
231-238	1	0.033 ^C	0.035 ^C
	2	0	0
	3	0	0
	SL	0	0
	F	0.23 ^C	0.094 ^C
238-245	1	0.00088 ^C	0.00029 ^C
	2	0	0
	3	0	0
	SL	1.2 ^C	0.57 ^C
	F	12 ^C	3.1 ^C
245-252	1	49	16
	2	0	0
	3	0	0
	SL	88 ^C	43 ^C
	F	37 ^C	9.4 ^C
252-259	1	78 ^C	26 ^C
	2	0.048 ^C	0.014 ^C
	3	0	0
	SL	72 ^C	35 ^C
	F	51 ^C	13 ^C

^CConcentrations estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
259-266	1	23 ^C	4.6 ^C
	2	0	0
	3	0.20 ^C	0.086 ^C
	SL	0	0
	F	1.6 ^C	0.41 ^C
266-273	1	5100	1000
	2	0.94	0.48
	3	4.1 ^C	1.7 ^C
	SL	12 ^C	6.0 ^C
	F	960	60
273-280	1	0	0
	2	0	0
	3	0	0
	SL	0	0
	F	12 ^C	3.2 ^C
280-287	1	0	0
	2	0	0
	3	0	0
	SL	0	0
	F	0	0

^CConcentrations estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
287-294	1	100	17
	2	17	3.3
	3	2.2 ^c	0.22 ^c
	SL	3.6 ^c	1.7 ^c
	F	23 ^c	2.9 ^c
294-302	1	23 ^c	2.8 ^c
	2	1.6 ^c	0.30 ^c
	3	0	0
	SL	0	0
	F	51 ^c	6.4 ^c
302-308	1	12 ^c	1.9 ^c
	2	1.6 ^c	0.30 ^c
	3	0	0
	SL	0	0
	F	3.5 ^c	0.44 ^c
308-315	1	23 ^c	3.8 ^c
	2	3.1 ^c	0.60 ^c
	3	0	0
	SL	6.2 ^c	0.46 ^c
	F	8.2 ^c	1.0 ^c

^cConcentrations estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

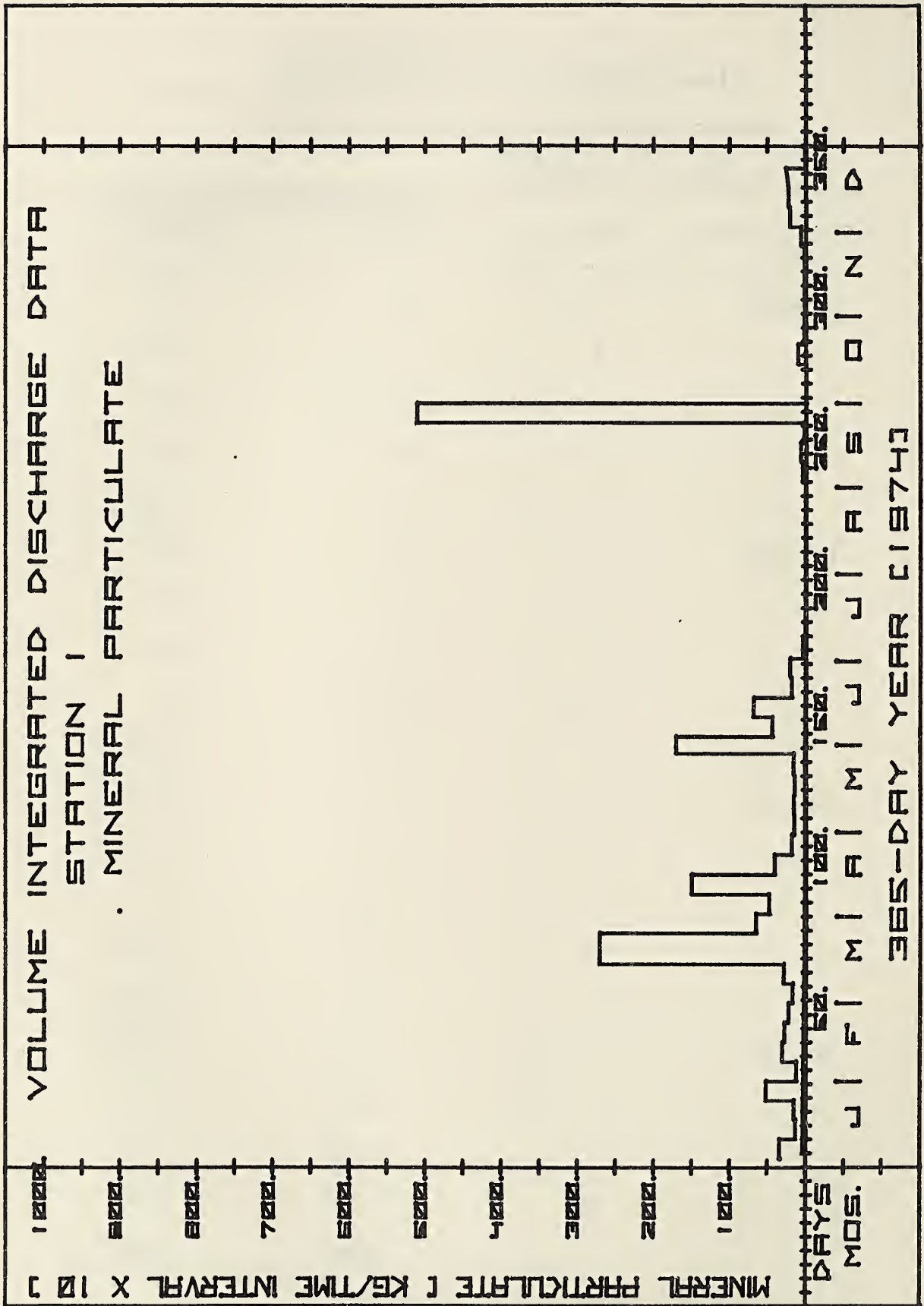
Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
315-322	1	22 ^C	4.7 ^C
	2	9.4 ^C	1.8 ^C
	3	0	0
	SL	18 ^C	1.3 ^C
	F	12 ^C	1.5 ^C
322-329	1	22 ^C	4.7 ^C
	2	7.9 ^C	1.5 ^C
	3	0	0
	SL	13 ^C	0.99 ^C
	F	9.5 ^C	1.2 ^C
329-336	1	71 ^C	15 ^C
	2	100 ^C	5.3 ^C
	3	93 ^C	9.2 ^C
	SL	150 ^C	12 ^C
	F	41 ^C	5.2 ^C
336-343	1	200	42
	2	220	12
	3	110	1.1
	SL	290	21
	F	98	12

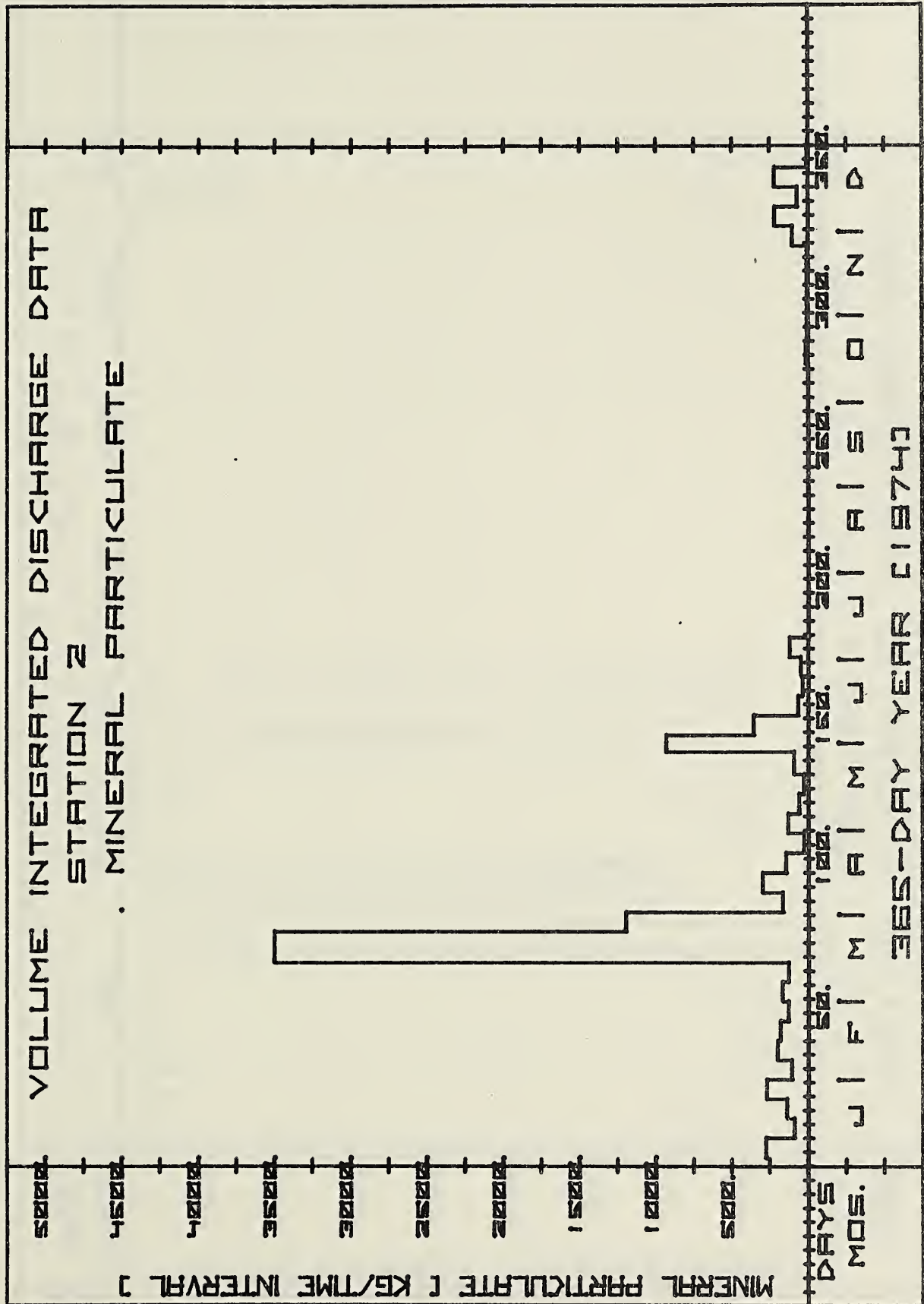
^CConcentrations estimated by interpolation.

Volume Integrated Total Discharge Data
(amount discharge/watershed/time interval)

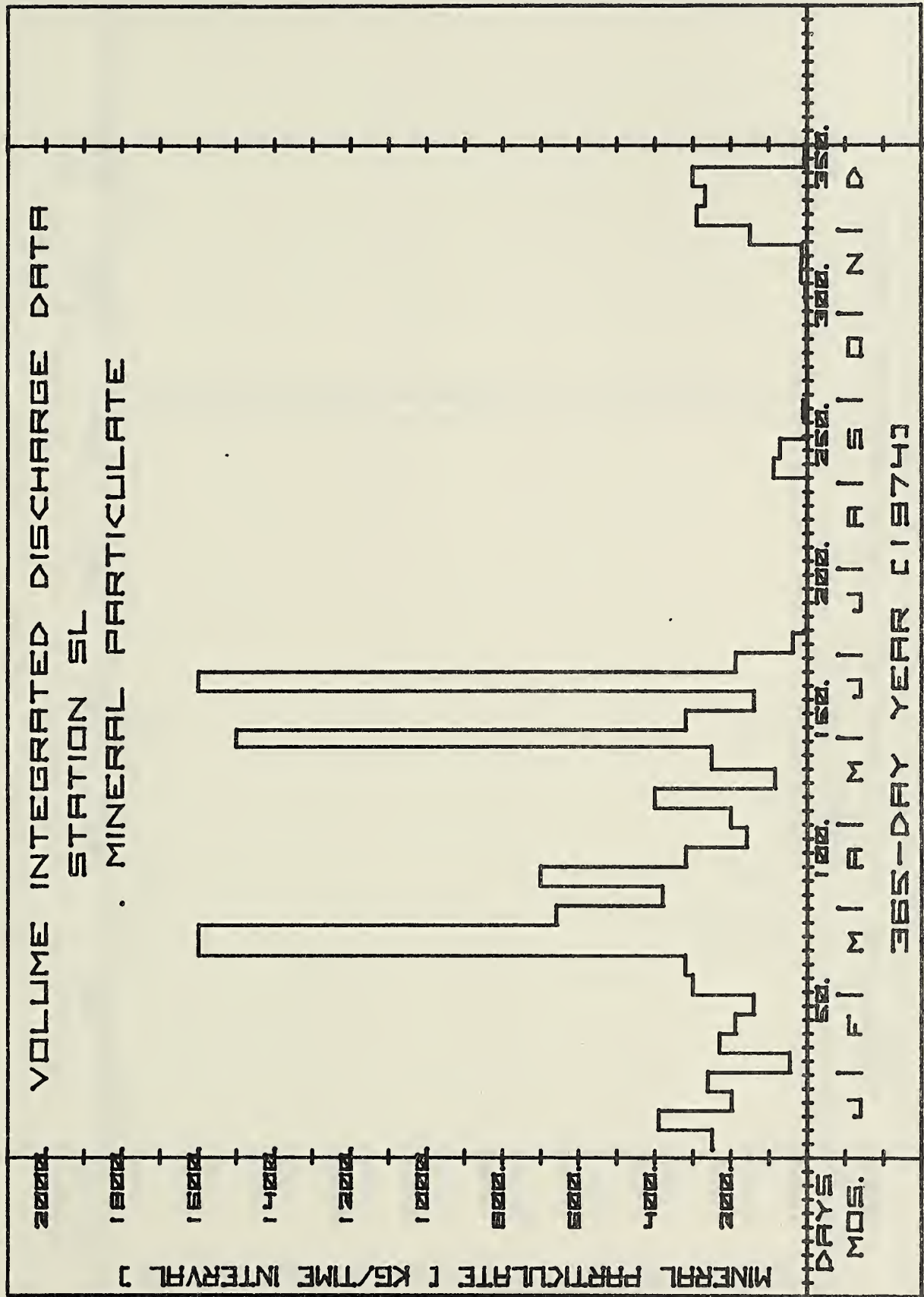
Days of Year 1974	Weir #	Suspended Particulate (Kg)	
		Mineral	Organic
343-350	1	240	44
	2	75	4.3
	3	750	68
	SL	270	27
	F	52	7.8
350-357	1	280	54
	2	220	77
	3	88	18
	SL	300	45
	F	18	3.0
357-364	1	10	2.9
	2	10	3.1
	3	5.6	1.1
	SL	7.0	0.78
	F	1.3	0.096
364-365	1	1.3 ^c	0.36 ^c
	2	1.0 ^c	0.3 ^c
	3	0.60 ^c	0.12 ^c
	SL	0.81 ^c	0.090
	F	0.15 ^c	0.011 ^c

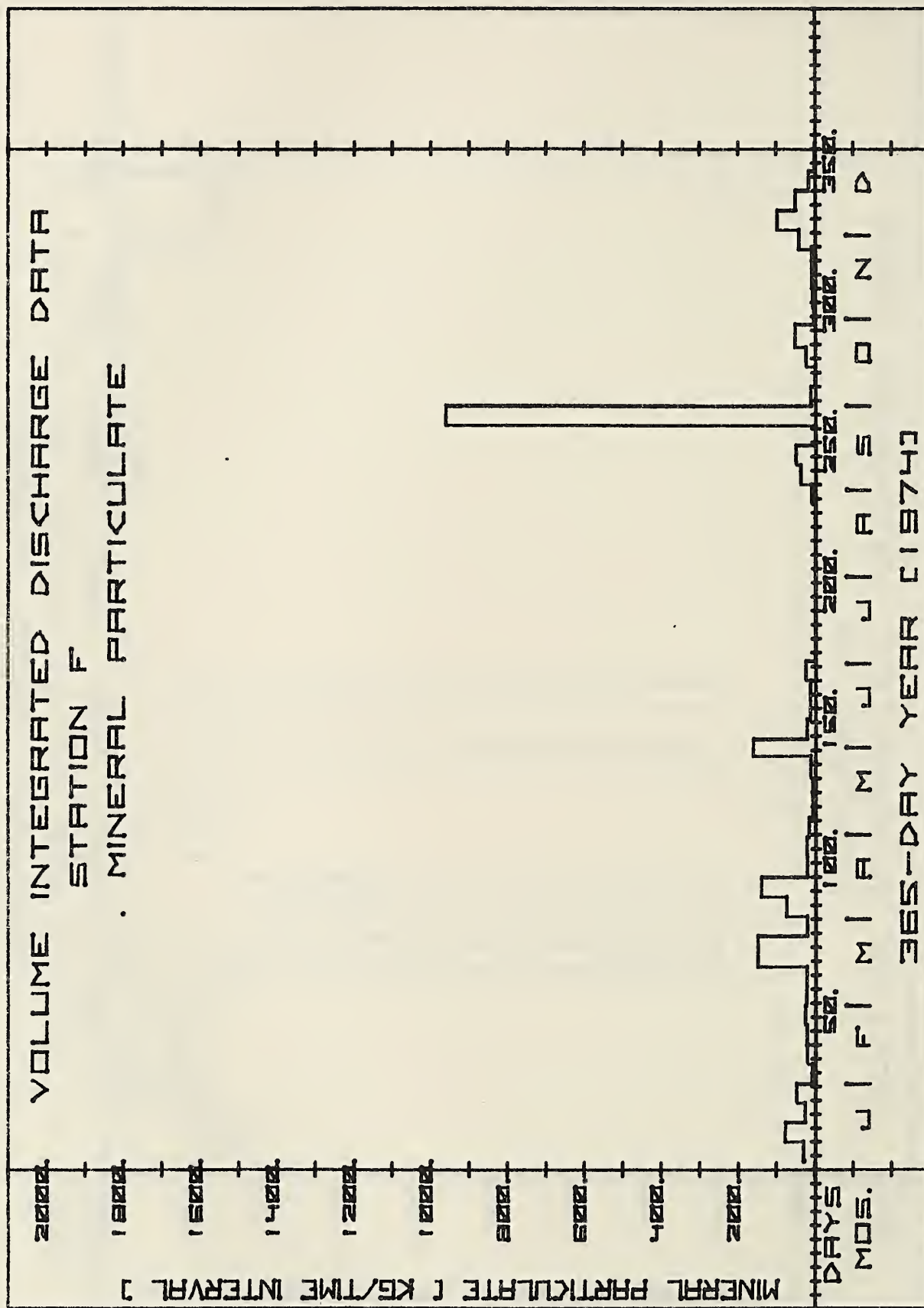
^cConcentrations estimated by interpolation.

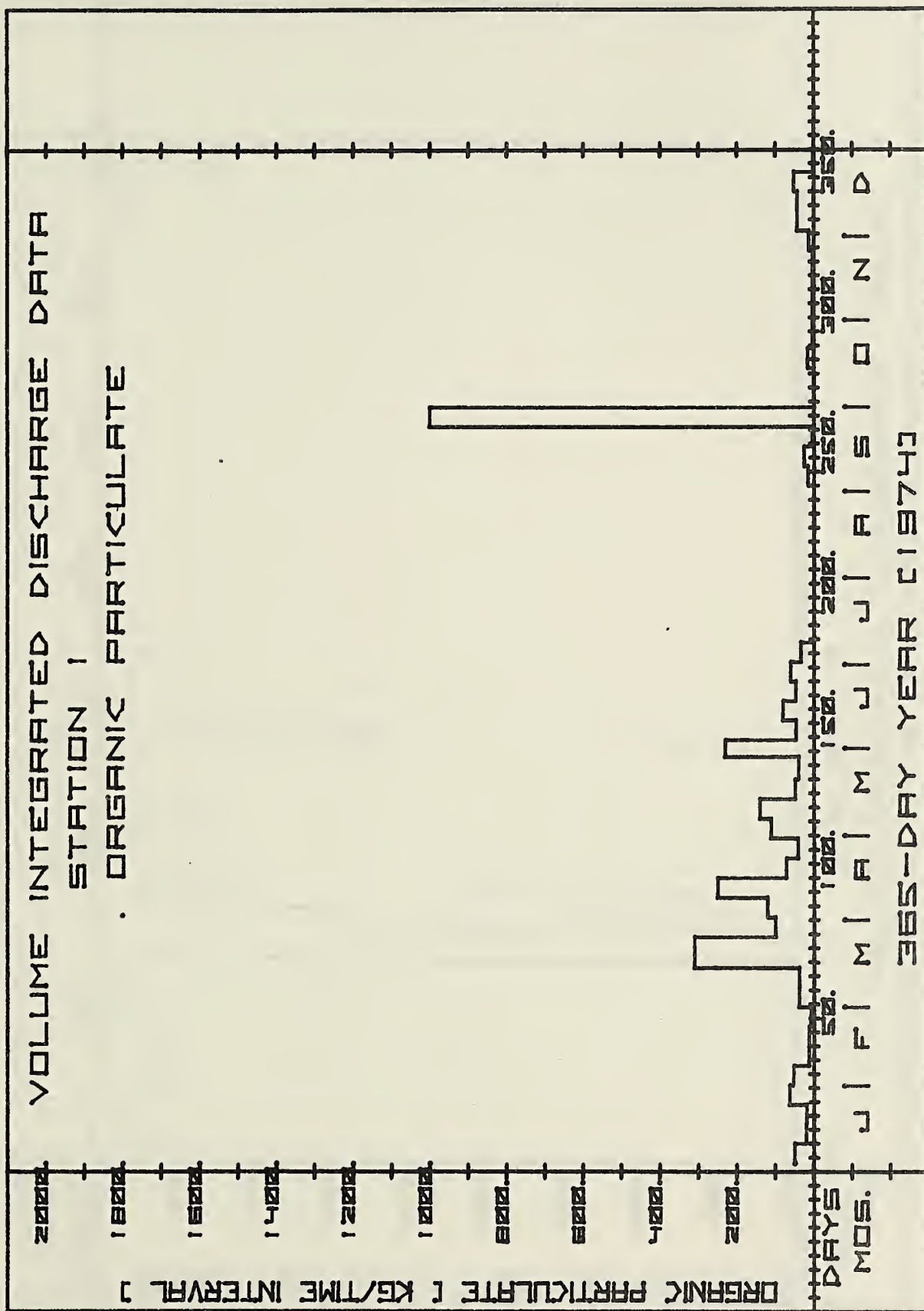


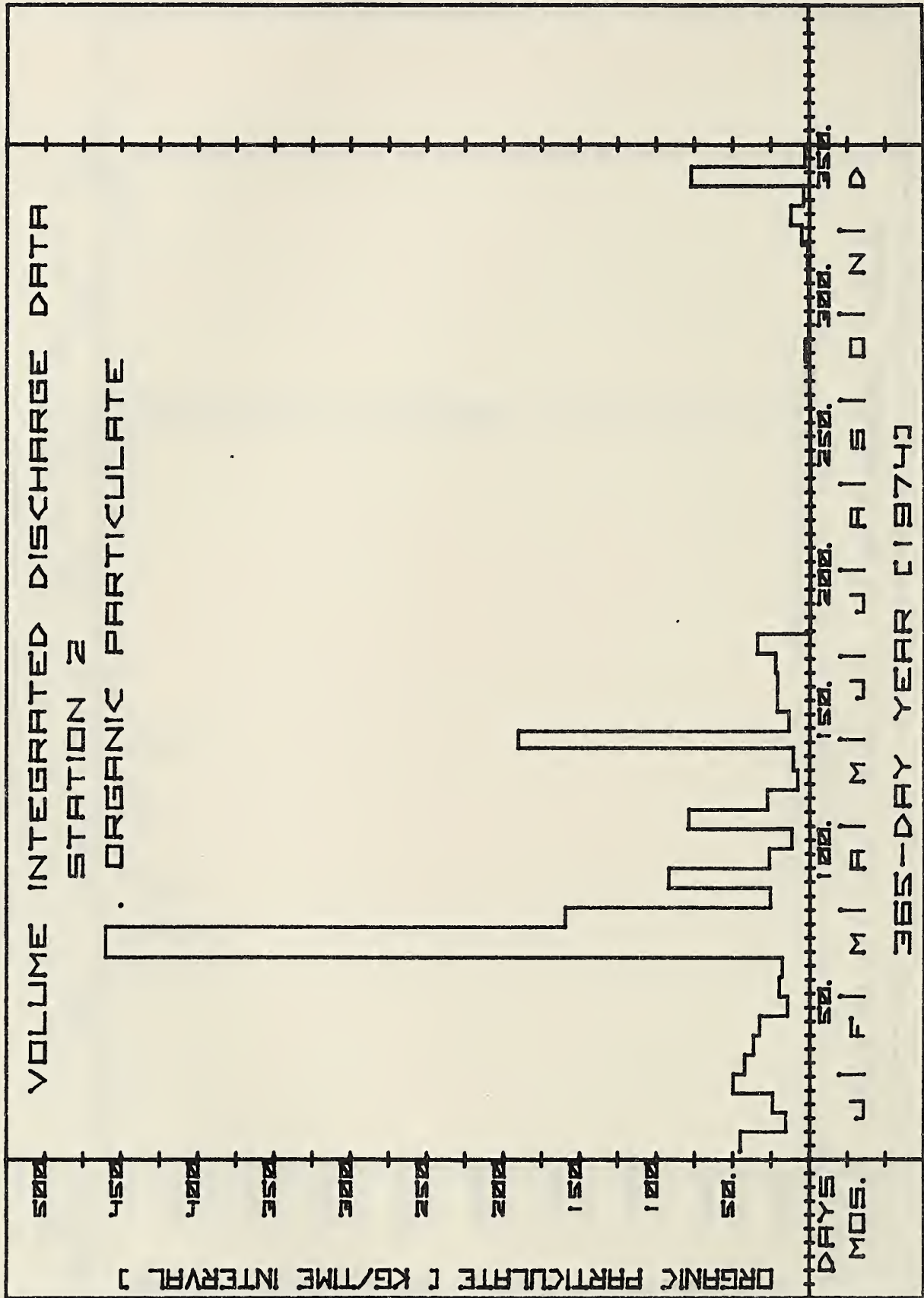


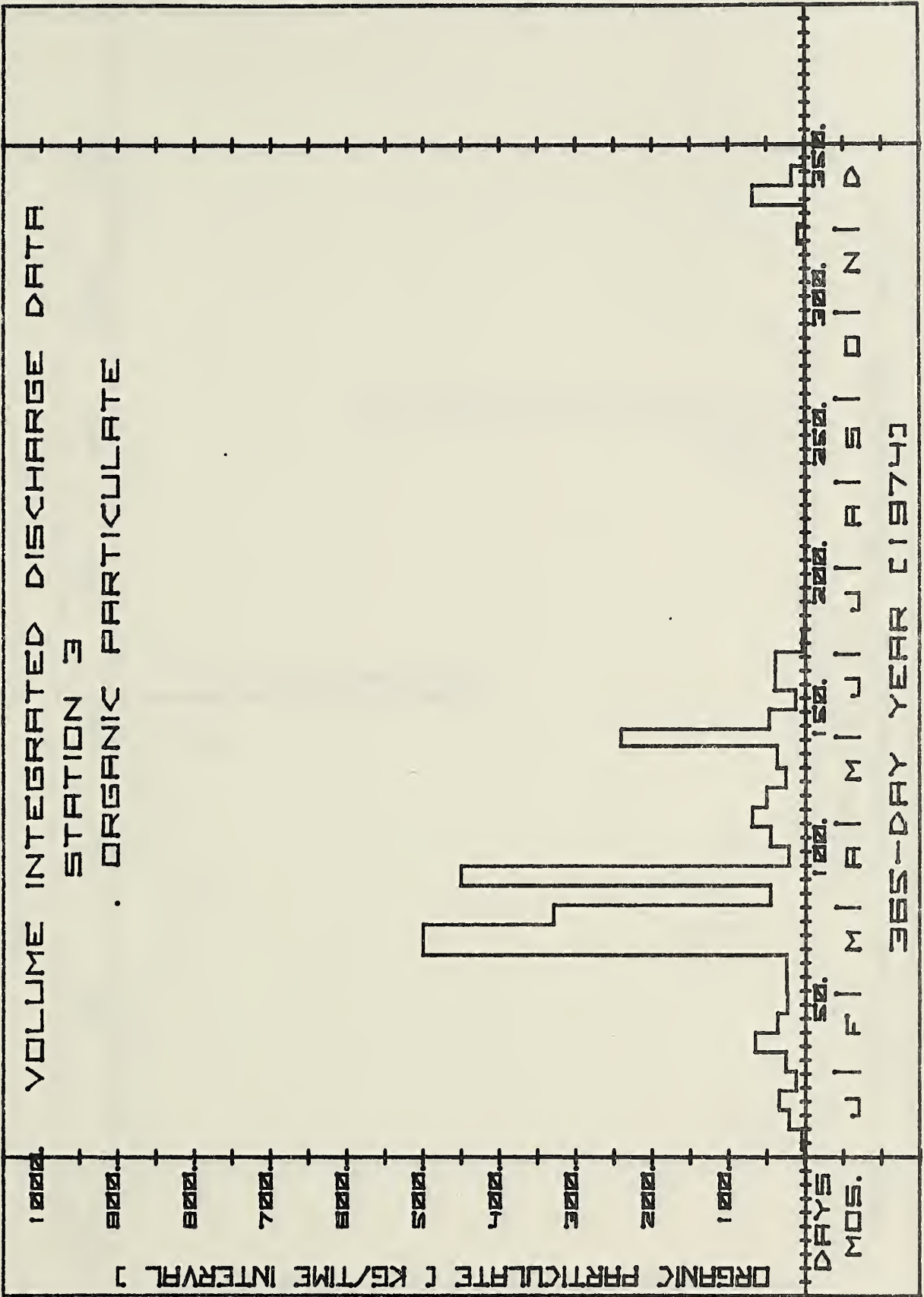


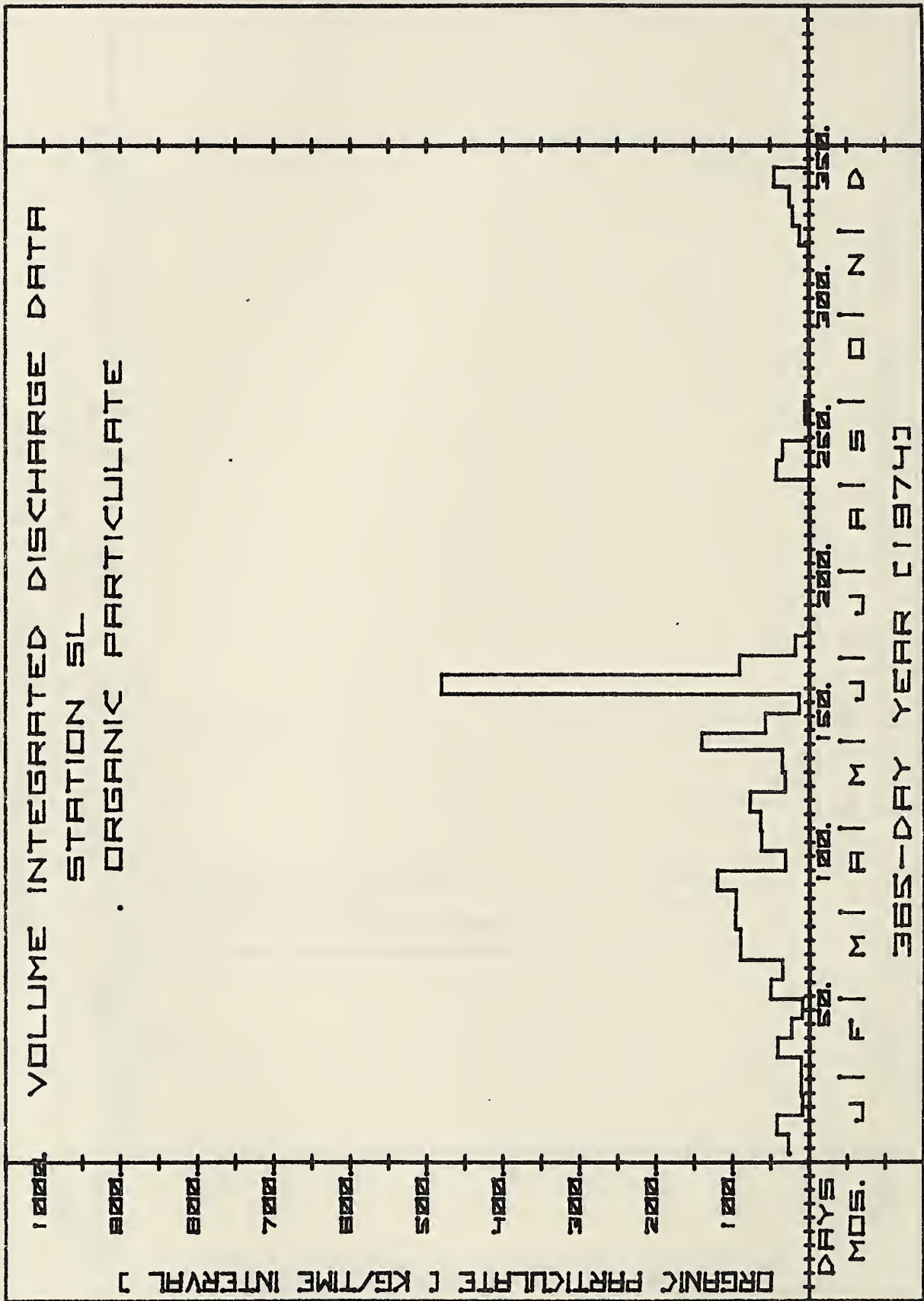


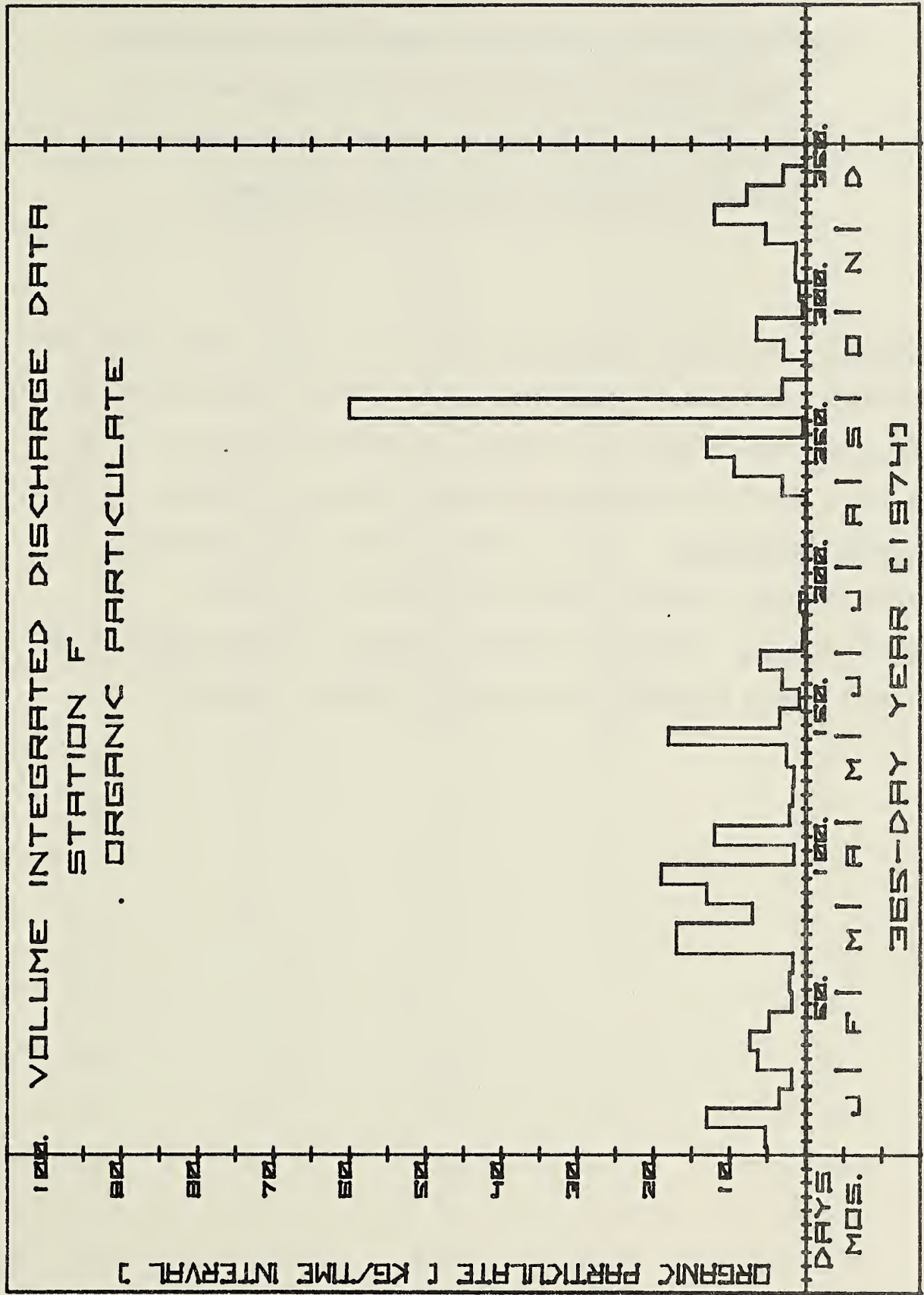












Area Yield of Particulates in Watershed Runoff Per Hectare

Per Time Interval for Five Land Use Categories

Mineral Particulates (Kg/hectare/time interval)

Organic Particulates (Kg/hectare/time interval)

Technique - Particulate discharge data and land use data from Higman (1973 ESP Report) were used to calculate area yield rates as described in Correll, Pierce, and Faust (1975), pp. 131-143. In: Non-Point Sources of Water Pollution, Virginia Water Resources Research Center, Blacksburg, Virginia.

Principal Investigator: Jack W. Pierce, Sedimentology Department, National Museum of Natural History, Smithsonian Institution.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation and Smithsonian Research Foundation.

Area Yield Data from Volume Intergrated Watershed Sampling

Suspended Organic Particulate (Kg/hectare/time interval)

Days of 1974	Cultivated crops	Wet areas (open water + marshes + swamps)	'Natural' areas (forest + old fields)	Grasslands (pasture + other)	Residential + other (bare, paved roads, dumps)
3-10	0.26	25	0.24	0.30	-4.2
10-17	0.38	7.1	0.60	0.12	-6.8
17-24	-0.091	7.4	0.18	-0.36	0.61
24-31	0.070	21	0.026	0.89	-2.0
31-38	-0.10	21	0.25	0.90	-3.8
38-45	0.18	6.5	0.41	-2.0	2.8
45-52	0.040	14	0.30	-1.3	1.0
52-59	-0.012	3.8	0.11	-0.65	1.4
59-66	0.82	-15	0.012	-0.30	1.6
66-73	0.58	-13	-0.023	0.12	1.5
73-84	-2.0	160	1.1	-9.2	36
84-91	-0.023	-14	0.36	-6.8	31
91-98	1.6	-41	0.21	3.5	-7.5
98-105	0.73	-160	-0.057	3.3	27
105-112	0.61	-1.4	-0.13	1.7	-0.87
112-119	0.79	-19	44	58	-4.0
119-126	0.84	-0.89	-0.068	0.013	4.3
126-133	1.6	-58	-0.43	3.6	0.89
133-140	0.62	-25	-0.12	1.2	0.58
140-148	0.57	-22	-0.021	0.46	1.6
148-154	1.2	4.4	0.53	-0.72	9.0

Area Yield Data from Volume Integrated Watershed Sampling

Suspended Organic Particulate (Kg/hectare/time interval)

Days of 1974	Cultivated crops	Wet areas (open water + marshes + swamps)	'Natural' areas (forest + old fields)	Grasslands (pasture + other)	Residential + other (bare, paved roads, dumps)
154-161	0.94	-32	-0.010	0.16	2.7
161-168	0.39	-14	-22	2.9	-2.4
168-175	8.6	-150	-0.018	-12	21
175-182	1.5	-31	0.10	-0.12	0.70
182-189	0.24	15	0.021	-0.23	-0.22
189-196	0.016	-0.24	0.0065	0.029	-0.15
196-203	-0.019	1.1	0.040	0.091	-0.68
203-210	-0.0012	0.072	0.0024	0.0043	-0.039
210-217	-0.000066	-0.016	0.00036	0.0082	-0.021
217-224	0.0010	-0.095	-0.00066	0.021	-0.033
224-231	0.00014	-0.012	-0.00013	0.0019	-0.0022
231-238	-0.0022	0.13	0.0045	0.010	-0.076
238-245	-0.067	4.4	0.16	0.26	-2.5
245-252	0.62	-4.4	0.39	0.51	-6.4
252-259	0.43	-0.26	0.52	1.6	-10
259-266	0.0089	-1.0	-0.000014	0.28	-0.55
266-273	3.0	-27	-1.6	61	-100
273-280	-0.078	4.6	0.16	0.27	-2.5
280-287	0	0	0	0	0
287-294	0.0099	0.94	0.081	0.97	-3.0
294-302	-0.14	8.4	0.30	0.75	-5.3

Area Yield Data from Volume Integrated Watershed Sampling

Suspended Organic Particulate (Kg/hectare/time interval)

Days of 1974	Cultivated crops	Wet areas (open water + marshes + swamps)	'Natural' areas (forest + old fields)	Grasslands (pasture + other)	Residential + other (bare, paved roads, dumps)
302-308	-0.0049	0.29	0.015	0.13	-0.44
308-315	-0.0055	0.68	0.038	0.25	-0.99
315-322	-0.0047	1.9	0.061	0.27	-1.3
322-329	-0.0020	1.3	0.046	0.26	-1.1
329-336	0.082	0.98	0.21	0.62	-3.4
336-343	0.18	8.4	0.48	2.2	-11
343-350	0.25	-31	0.16	1.4	0.066
350-357	0.42	40	0.23	-1.6	0.017
357-364	0.00027	1.5	0.0045	-0.0030	-0.20
364-365	0.00054	0.11	0.00018	0.0035	-0.0055

Area Yield Data from Volume Integrated Watershed Sampling

Suspended Mineral Particulate (Kg/hectare/time interval)

Days of 1974	Cultivated crops	Wet areas (open water + marshes + swamps)	'Natural' areas (forest + old fields)	Grasslands (pasture + other)	Residential + other (bare, paved roads, dumps)
3-10	3.3	100	1.2	2.0	23
10-17	4.7	-21	3.5	-2.3	-31
17-24	2.1	-18	1.1	-2.2	3.7
24-31	2.6	-80	0.91	8.8	-1.9
31-38	0.028	22	0.32	0.33	2.8
38-45	2.8	-28	0.45	0.86	5.9
45-52	2.2	-6.8	0.64	2.3	-2.8
52-59	1.4	-15	0.89	3.0	-6.4
59-66	3.8	-26	0.86	-6.5	13
66-73	4.8	-11	0.31	0.64	7.2
73-84	-1.1	590	7.8	-88	370
84-91	-2.2	-240	1.3	-61	300
91-98	5.6	-62	2.1	13	-48
98-105	3.4	-1400	-0.82	26	210
105-112	5.4	-140	-0.25	6.5	1.6
112-119	2.7	-68	0.47	6.0	-15
119-126	2.7	-0.92	0.56	-2.9	3.1
126-133	6.1	-260	-0.51	-8.2	52
133-140	1.7	-50	-0.20	4.5	-5.2
140-148	4.0	-74	0.18	-2.2	8.7
148-154	17.6	-680	3.1	1.3	102

Area Yield Data from Volume Integrated Watershed Sampling

Suspended Mineral Particulate (Kg/hectare/time interval)

Days of 1974	Cultivated crops	Wet areas (open water + marshes + swamps)	'Natural' areas (forest + old fields)	Grasslands (pasture + other)	Residential + other (bare, paved roads, dumps)
154-161	3.6	-0.88	0.45	-2.4	20
161-168	4.4	-22	-2.2	30	-30
168-175	29	-560	-0.25	-37	72
175-182	3.1	-76	0.52	5.6	-13
182-189	0.018	89	0.41	-4.5	2.2
189-196	0.027	-0.11	0.021	0.024	-0.33
196-203	-0.049	2.9	0.10	0.20	-1.6
203-210	0.0030	0.18	0.0060	0.011	-0.097
210-217	-0.00062	0.026	0.0017	0.010	-0.042
217-224	0.00031	-0.050	0.00070	0.022	-0.052
224-231	0.00011	-0.010	-0.000098	0.0019	-0.0025
231-238	-0.0055	0.33	0.011	0.022	-0.18
238-245	-0.28	18	0.61	1.0	-9.8
245-252	0.90	12	1.6	3.4	-28
252-259	0.38	27	2.2	6.7	-41
259-266	0.053	-5.4	-0.019	1.3	-2.4
266-273	-2.1	-350	25	360	-1000
273-280	-0.31	18	0.62	1.1	-9.9
280-287	0	0	0	0	0
287-294	-0.18	12	0.74	6.7	-23
294-302	-1.2	68	2.4	5.6	-41

Area Yield Data from Volume Integrated Watershed Sampling

Suspended Mineral Particulate (Kg/hectare/time interval)

Days of 1974	Cultivated crops	Wet areas (open water + marshes + swamps)	'Natural' areas (forest + old fields)	Grasslands (pasture + other)	Residential + other (bare, paved roads, dumps)
302-308	-0.048	2.6	0.13	0.85	-3.3
308-315	-0.014	5.4	0.32	1.6	-7.4
315-322	0.065	13	0.52	1.3	-9.5
322-329	0.048	10	0.41	1.3	-8.0
329-336	1.2	56	2.1	-2.3	-18
336-343	1.9	168	4.9	0.37	-60
343-350	1.9	-0.028	1.3	-0.59	39
350-357	4.5	19	0.56	-2.2	-2.5
357-364	0.054	4.3	0.059	-0.040	-0.46
364-365	1.5	-24	0.0013	-2.2	3.5

Cation Concentrations in Surface Waters

(μg/liter)

Technique - A sample of 200 ml of whole water plus 6 ml concentrated HNO_3 was concentrated by boiling down to a volume of 5 ml. The concentrate was then analyzed by atomic absorption after various dilutions. Elements analyzed included Ni, Cu, Zn, Pb, Cr, Cd, Mn, Fe, K, Ca, and Mg.

Principal Investigator: Tung-Lin Wu, Chesapeake Bay Center for Environmental Studies.

Research Funding: Smithsonian Research Foundation and the Smithsonian Institution.

Non-Point Sources of Metals (map 2)

Day of 1974	Metal Concentration (ug/liter)									
	Ni	Cu	Zn	Pb	Cr	Cd	Mn	Fe	K	Ca

Station 1

302							100	2000			
329			10				25	790			
336	10		25				175	3630			
357	6.16	1.60	22.4		4.96	0.80	227.1	1944	4285.6	8480	3080
364	1.68	0.64	1.6		0.64	2.00	20.6	712.8	3143.2	6240	2400

1060

Station 2

302							2100	1200			
329	25		65				650	410			
336	10		25				338	2120			
357	5.12	2.80	17.6		5.92	0.64	144.5	1555.2	3143.2	2240	1680
364	8.24	16.00	136.8		nd	1.04	165.1	777.6	2286.4	1760	1960

nd - non-detectable by the technique employed

Non-Point Sources of Metals (map 2)

Day of 1974	Metal Concentration (ug/liter)										
	Ni	Cu	Zn	Pb	Cr	Cd	Mn	Fe	K	Ca	Mg
<u>Station 3</u>											
336	10		28				162	4120			
364	4.16	0.64	20.8		1.28	1.04	61.9	259.2	2500	8480	2200
<u>Station 4</u>											
302							nd	1200			
329			15				30	740			
336	10		22				250	2820			
364	4.16	16.00			1.04	0.64	165.1	1166.4	2000	10720	1880

nd - non-detectable by the technique employed

Non-Point Sources of Metals (map 2)

Day of 1974	Metal Concentration (ug/liter)									
	Ni	Cu	Zn	Pb	Ce	Cd	Mn	Fe	K	Ca

Station SL

329			25				155	365			
336	10		38				200	3320			
357	6.16	2.64	36.0		4.56	1.04	227.1	2138.4	3071.2	5200	2720
364	8.24	5.36	37.6		2.08	1.44	206.5	259.2	2785.6	6880	2120

Station F

302							200	1200			
329			10				30	490			
336	28		49				212	12850			
357	5.12	1.28	9.6		7.84	0.80	165.2	1749.6	5214.4	8480	2120

Total Coliform, Fecal Coliform and Total Viable Heterotrophic Bacteria
in Water Samples Taken as Grab Samples at Freshwater and Estuarine Stations
(maps 2 and 3)

Technique - Coliform bacteria were enumerated using the multiple tube dilution technique and the elevated temperature test and the aerobic heterotrophic bacteria, by the spread plate technique respectively, according to the (American Public Health Association, 1971. "Standard Methods for the Examination of Water and Waste Water". 13th ed. APHA, N. Y.). Total coliform and fecal coliform numbers were expressed as most probable numbers per 100 ml (MPN/100ml), the heterotrophic aerobic bacteria as total viable counts per ml (TVC/ml).

Principal Investigator: Maria A. Faust, Chesapeake Bay Center for Environmental Studies, Smithsonian Institution.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation and the Smithsonian Institution's Environmental Science Program.

Estimated Total and Fecal Coliforms in Grab Samples

Day of 1974	Weir Station (map 2)	TC (MPN/100 ml)	FC
52	1	170	7
	2	130	27
	3	280	180
	SL	94	33
	F	17	4
77	1	130	130
	2	540	170
	3	110	46
	SL	17	13
	F	22	22
105	1	79	11
	2	130	17
	3	79	33
	SL	33	11
	F	49	33
133	1	2,400	2,400
	2	2,400	2,400
	3	920	920
	SL	350	220
	F	920	280
168	1	24,000	11,000
	2	1,500	1,100
	3	1,100	1,100
	SL	4,600	750
	F	4,600	1,100
259	1	93	93
	2	no flow	no flow
	3	no flow	no flow
	SL	no flow	no flow
	F	2,400	2,400
273	1	4,600	1,100
	2	11,000	460
	3	no flow	no flow
	SL	no flow	no flow
	F	2,400	2,400

Estimated Total and Fecal Coliforms and Total Viable Aerobic Heterotrophic Bacterial Population.

Day of 1974	Sites (map 2)	TC	FC	Ratio FC/TC	TVCx10 ³ /ml after Incubation times of	
		(MPN/100ml)			24 (hr)	168 (hr)
294	1	1,500	1,500	1.00	6.0	9.8
	2	11,000	2,400	0.14	18.6	24.1
	3	no flow	no flow	no flow	no flow	
	SL	no flow	no flow	no flow	no flow	
302	1	1,500	750	0.50	39.0	TNTC
	2	1,500	150	0.50	50.0	TNTC
	3	no flow	no flow	no flow	no flow	
	SL	no flow	no flow	no flow	no flow	
	F	240	90	no flow	17.2	24.4
308	1	2,400	1,100	0.46	590.0	770.0
	2	460	460	1.00	330.0	355.0
	3	no flow	no flow	no flow	no flow	
	SL	no flow	no flow	no flow	no flow	
	F	11,000	4,600	0.42	170.0	375.0
315	1	200	150	0.75	23.0	213.0
	2	40	< 30	0.75	97.0	135.0
	3	no flow	no flow	no flow	no flow	
	SL	430	70	0.16	7.5	12.8
	F	40	< 30	0.75	12.9	19.0
322	1	75	39	0.52	1.7	15.7
	2	23	3	0.13	1.9	9.2
	3	no flow	no flow	no flow	no flow	
	SL	93	15	0.16	7.0	
	F	93	43	0.46	11.3	33.0
	Well	9	0	0.00	0.5	2.3

TC = Total coliforms
 FC = Fecal coliforms
 TVC = Total viable counts
 TNTC = To numerous to count

Estimated Total and Fecal Coliforms and Total Viable Aerobic Heterotrophic
Bacterial Population. (Continued)

Day of 1974	Sites (map 2)	TC	FC	Ratio FC/TC	TVCx10 ³ /ml after Incubation times of	
		(MPN/100ml)			24 (hr)	168 (hr)
336	1	460	460	1.00	140.0	420.0
	2	460	460	1.00	270.0	730.0
	3	≧2,400	≧2,400	1.00	180.0	520.0
	SL	≧2,400	460	0.19	350.0	700.0
	F	240	93	0.39	27.0	72.0
	Well	9	9	1.00	1.2	4.2
350	1	≧2,400	210	0.09	320.0	650.0
	2	≧2,400	1,100	0.46	800.0	1,140.0
	3	28	28	1.00	560.0	730.0
	SL	≧2,400	240	0.10	330.0	490.0
	F	≧2,400	1,100	0.46	750.0	1,100.0
	Well	23	9	0.39	TNTC	TNTC

TNTC = Too numerous to count.

TC = Total coliforms

FC = Fecal coliforms

TVC = Total viable counts

Coliform bacterial discharge rates at designated weirs.

Day of 1974	Weir #	Coliform		Day of 1974	Weir #	Coliform	
		Total (MPN/day)	Fecal X 10 ⁹			Total (MPN/day)	Fecal X 10 ⁹
52	1	1.9	0.079	294	1	1.5	1.5
	2	1.2	0.25		2	3.3	0.72
	3	3.6	2.3		3	--	--
	SL	0.71	0.25		SL	--	--
	F	0.0204	0.0048		F	--	--
77	1	3.1	3.08	302	1	7.5	3.8
	2	9.3	2.9		2	0.09	0.009
	3	2.8	1.2		3	--	--
	SL	0.22	0.17		SL	--	--
	F	0.055	0.055		F	0.0072	0.0027
105	1	2.5	0.35	308	1	1.9	0.88
	2	3.2	0.41		2	0.028	0.028
	3	0.0	0.00		3	--	--
	SL	0.24	0.081		SL	--	--
	F	0.24	0.23		F	0.66	0.28
133	1	74	74	315	1	0.1	0.075
	2	52	52		2	0.008	0.006
	3	27	27		3	--	--
	SL	6.5	4.1		SL	0.039	0.0063
	F	1.4	0.42		F	0.004	0.003
168	1	250	120	322	1	0.075	0.039
	2	4.5	3.3		2	0.012	0.0015
	3	3.6	3.6		3	--	--
	SL	19	3.2		SL	0.037	0.006
	F	1.8	0.44		F	0.0084	0.0039
259	1	0.0093	0.0093	336	1	9.5	9.5
	2	--	--		2	9.9	9.9
	3	--	--		3	36	36
	SL	--	--		SL	34	6.6
	F	0.024	0.024		F	0.17	0.065
273	1	15	3.6	350	1	295	25
	2	9.9	0.41		2	454	208
	3	--	--		3	4.1	4.1
	SL	--	--		SL	701	70
	F	0.048	0.048		F	12	5.6

Fecal Streptococcus Bacteria Populations in Water Samples
(map 2)

Technique - Fecal Streptococci and Salmonella-like bacteria were enumerated using the multiple tube dilution technique according to the (American Public Health Association, 1971. "Standard Methods for the Examination of Water and Waste Water". 13th ed. APHA, N. Y.). The results were expressed as most probable numbers per 100 ml (MPN/100ml).

Principal Investigator: Maria A. Faust, Chesapeake Bay Center for Environmental Studies, Smithsonian Institution.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation and the Smithsonian Institution's Environmental Science Program.

Estimated Fecal Streptococci Populations in Water Samples Collected at
Designated Stations.

Day of 1974	Sites (map 2)	FS (MPN/100ml)	FC (MPN/100ml)	Ratio FC/FS
259	Weir #1	240	9.00	0.39
	#2	no flow	no flow	no flow
	#3	no flow	no flow	no flow
	SL	no flow	no flow	no flow
	F	≈2,400	93.00	0.04
273	Weir #1	1,100	1,100.00	1.00
	#2	≈2,400	460.00	0.19
	#3	no flow	no flow	no flow
	SL	no flow	no flow	no flow
	F	≈2,400	≈2,400.00	1.00
294	Weir #1	750	1,500.00	2.00
	#2	230	2,400.00	10.43
	#3	no flow	no flow	no flow
	SL	no flow	no flow	no flow
	F	no flow	no flow	no flow
302	Weir #1	240	750.00	3.13
	#2	240	150.00	0.63
	#3	no flow	no flow	no flow
	SL	no flow	no flow	no flow
	F	150	90.00	0.60
308	Weir #1	240	1,100.00	4.58
	#2	7,500	460.00	0.06
	#3	no flow	no flow	no flow
	SL	no flow	no flow	no flow
	F	4,600	4,600.00	1.00
315	Weir #1	150	150.00	0.65
	#2	230	< 30.00	1.00
	#3	no flow	no flow	no flow
	SL	230	70.00	0.30
	F	40	< 30.00	0.75
322	Weir #1	15	39.00	2.60
	#2	4	3.00	5.75
	#3	no flow	no flow	no flow
	SL	93	15.00	0.16
	F	93	43.00	0.46

Estimated Fecal Streptococci Populations. (Continued)

Day of 1974	Sites (map 2)	FS (MPN/100ml)	FC (MPN/100ml)	Ratio FC/FS
336	Weir #1	460	460.00	1.00
	#2	240	460.00	1.92
	#3	$\geq 2,400$	$\approx 2,400.00$	1.00
	SL	$\geq 2,400$	460.00	0.19
	F	240	93.00	0.39
350	Weir #1	$\geq 2,400$	210.00	0.09
	#2	1,100	1,100.00	1.00
	#3	$\geq 2,400$	28.00	0.01
	SL	$\geq 2,400$	240.00	0.10
	F	$\geq 2,400$	1,100.00	0.46

Estimated Salmonella Like Bacterial Populations in Water Samples Collected
at Designated Stations.

Day of 1974	Weir #1	Weir #2	Stations (map 2)		
			Weir #3	Steinlein Creek	Fox Creek
			(MPN/100ml)		
294	460	1,100	no flow	no flow	no flow
302	460	43	no flow	no flow	>2,400
308	93	75	no flow	no flow	28
315	7	15	no flow	14	1,100
322	240	9	no flow	28	150
336	>2,400	>2,400	>2,400	1,100	39
350	>2,400	>2,400	>2,400	>2,400	11

Identification of Bacteria Other than Pathogenic Organisms

(maps 2 and 3)

Technique - Taxonomical analysis of bacteria were adapted from Steiner et al, (1966. The aerobic pseudomonads: a taxonomic study. J. Gen. Microbiol. 43: 159-271) and Baumann et al (1972. Taxonomy of aerobic marine eubacteria. J. Bacteriol. 110: 402-29) using the following characters: 1.) Morphological, gram reactions, motility, type of flagellation, cell shape and morphology of cell structures and morphology of colony characters; 2.) Physiological: utilization and fermentation of carbohydrates, extracellular enzymes, temperature requirements, salt tolerance and catalaze and oxidase reactions.

Principal Investigator: Maria A. Faust, Chesapeake Bay Center for Environmental Studies, Smithsonian Institution.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation and the Smithsonian Institution's Environmental Science Program.

Bacterial Genera Other Than Coliforms Identified from Water Samples Collected from June to September, 1974.^a

genera	Stations (map 2)				
	Weir 1	Weir 2	Weir 3	Steinlein Br.	Fox Cr.
Bacillus	+ ^b	+	+	+	-
Aeromonas	+	+	-	+	-
Pseudomonas	+	-	-	-	-
Chromobacter	+	+	-	-	-
Proteus	- ^c	-	+	-	-
Streptococcus	+	+	-	-	+
Flavobacterium	-	-	-	+	+
Chromobacterium	-	-	-	-	-

a) colonies were identified from nutrient agar plates.

b) genera present +

c) genera absent -

Surface and Bottom Water Stations (maps 2, 3, and 4)

pH

Temperature ($^{\circ}$ C)

pH - Measured using a Hellige color comparator.

Temperature - Measured in the field using a centigrade thermometer or a thermister.

Principal Investigator: David L. Correll, Radiation Biology Laboratory, Smithsonian Institution.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation and the Smithsonian Institution's Environmental Sciences Program.

Surface Water Station 1 (map 2)

pH

Temperature °C

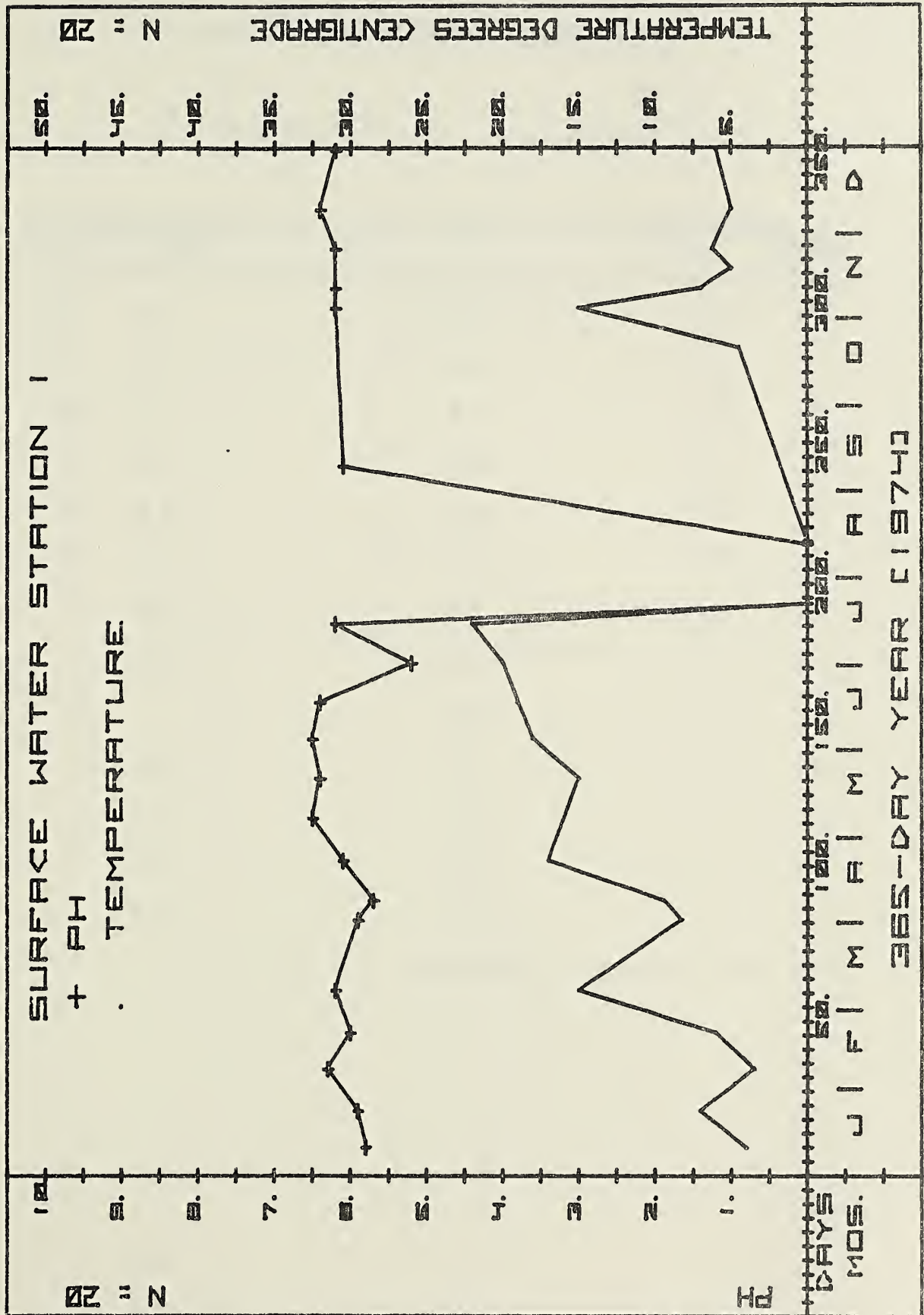
Day of 1974	pH	Temperature °C
10	5.8	4.0
23	5.9	7.0
38	6.3	3.5
51	6.0	6.0
66	6.2	15.0
91	5.9	8.3
98	5.7	9.4
112	6.1	17.0
127	6.5	-
141	6.4	15.0
155	6.5	18.0
168	6.4	19.0
182	5.2	20.0
196	6.2	22.0
203	-----Stream Dry-----	
210	" "	
224	" "	
252	6.1	-
294	-	4.5
308	6.2	15.0
315	6.2	7.0

Surface Water Station 1 (Cont'd)

pH

Temperature °C

Day of 1974	pH	Temperature °C
322	-	5.0
329	6.2	6.2
343	6.4	5.0
364	6.2	6.0
	N=20	N=20



Surface Water Station 2 (map 2)

pH

Temperature °C

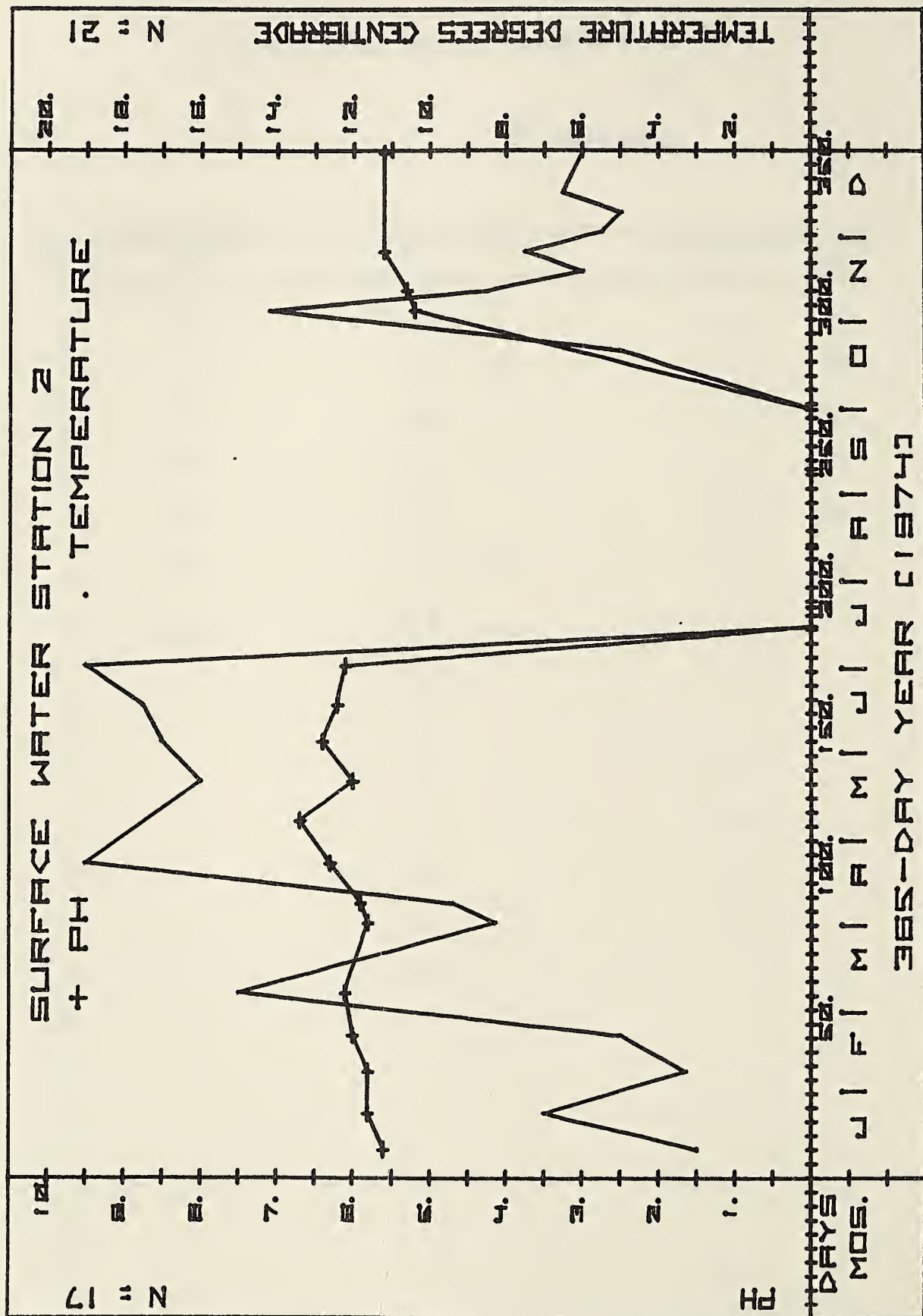
Day of 1974	pH	Temperature °C
10	5.6	3.0
23	5.8	7.0
38	5.8	3.3
51	6.0	5.0
66	6.1	15.0
91	5.8	8.3
98	5.9	9.4
112	6.3	19.0
127	6.7	-
141	6.0	16.0
155	6.4	17.0
168	6.2	17.5
182	6.1	19.0
196	-----Stream Dry-----	
203	" "	
210	" "	
224	" "	
252	" "	
273	" "	
294	-	5.0
308	5.2	14.2
315	5.3	8.5

Surface Water Station 2 (Cont'd)

pH

Temperature °C

Day of 1974	pH	Temperature °C
322	-	6.0
329	5.6	7.5
336	-	5.5
343	-	5.0
350	-	6.5
364	5.6	6.0
	N=17	N=21



Surface Water Station 3 (map 2)

pH

Temperature °C

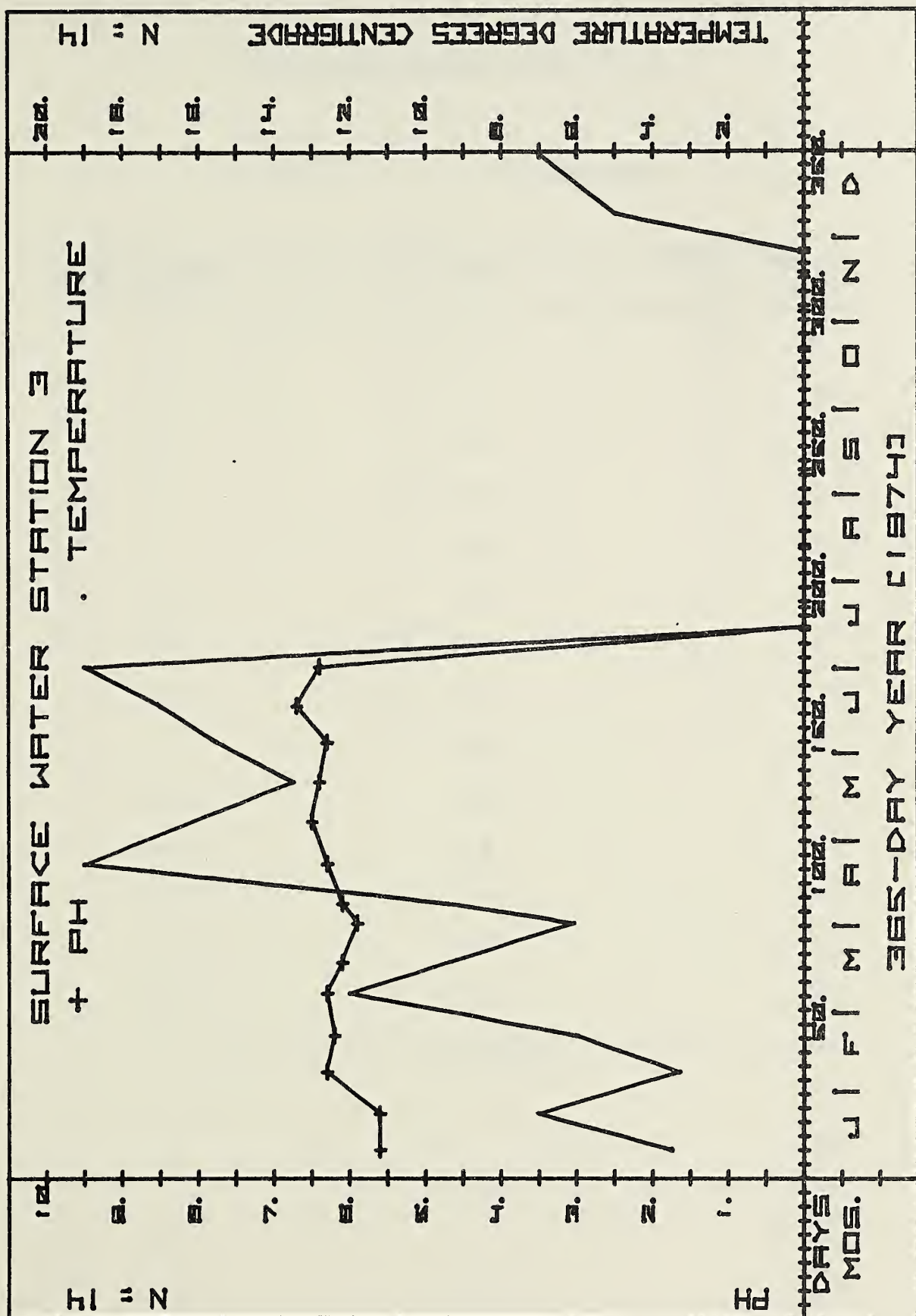
Day of 1974	pH	Temperature °C
10	5.6	3.5
23	5.6	7.0
38	6.3	3.3
51	6.2	6.0
66	6.3	12.0
77	6.1	-
91	5.9	6.1
98	6.1	9.4
112	6.3	19.0
127	6.5	-
141	6.4	13.5
155	6.3	15.5
168	6.7	17.0
182	6.4	19.0
196	-----Stream Dry-----	
203	" "	
210	" "	
224	" "	
252	" "	
294	" "	
308	" "	

Surface Water Station 3 (Cont'd)

pH

Temperature °C

Day of 1974	pH	Temperature °C
315	-----Stream Dry-----	
322	" "	
329	" "	
343	-	5.0
364	-	7.0
	N=14	N=14



Surface Water Station 4 (map 2)

pH

Temperature °C

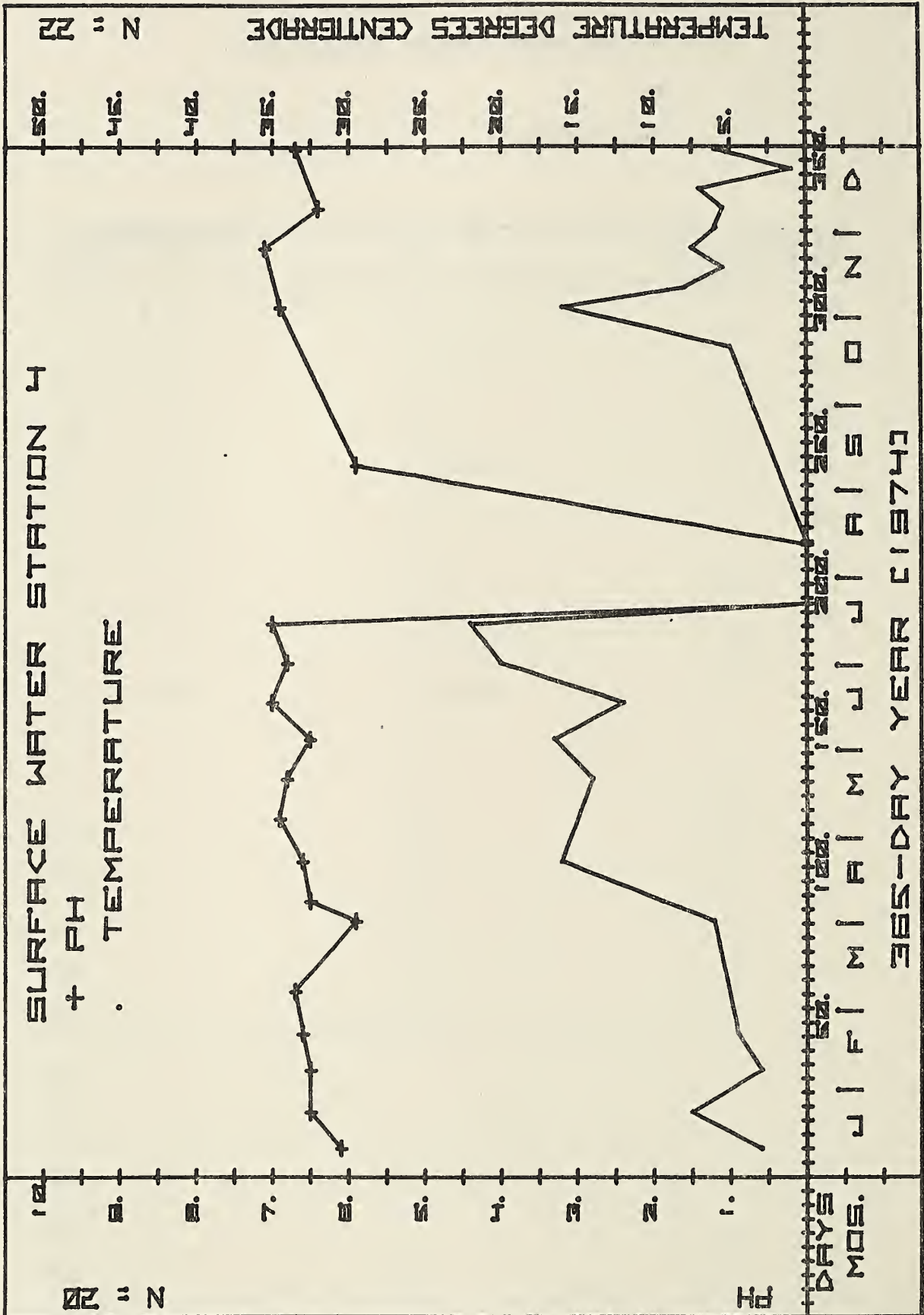
Day of 1974	pH	Temperature °C
10	6.1	3.0
23	6.5	7.5
38	6.5	3.0
51	6.6	4.5
66	6.7	-
91	5.9	6.1
98	6.5	9.4
112	6.6	16.0
127	6.9	-
141	6.8	14.0
155	6.5	16.5
168	7.0	12.0
182	6.8	20.0
196	7.0	22.0
203	-----Stream Dry-----	
210	" "	
224	" "	
252	5.9	-
294	-	5.0
308	6.9	16.0
315	7.0	8.0

Surface Water Station 4 (Cont'd)

pH

Temperature °C

Day of 1974	pH	Temperature °C
322	-	5.5
329	7.1	7.5
336	-	6.0
343	6.4	5.5
350	-	7.0
357	-	1.0
364	6.7	6.0
	N=20	N=22



Surface Water Station SL (map 2)

pH

Temperature °C

Day of 1974	pH	Temperature °C
10	5.9	3.0
23	6.0	7.0
38	5.8	2.5
51	5.9	4.0
66	6.0	12.0
77	5.4	-
91	5.6	6.7
98	5.7	10.5
112	6.1	17.0
127	6.3	-
141	6.2	15.0
155	6.3	16.5
168	6.2	18.0
182	6.4	20.0
196	-----Stream Dry-----	
203	" "	
210	" "	
224	" "	
252	4.3	-
294	-----Stream Dry-----	
308	" "	

Surface Water Station SL (Cont'd)

pH

Temperature °C

Day of 1974	pH	Temperature °C
315	5.3	7.8
322	-	8.0
329	5.4	8.5
343	-	5.0
364	5.5	5.5
	N=18	N=17

Surface Water Station F (map 2)

pH

Temperature °C

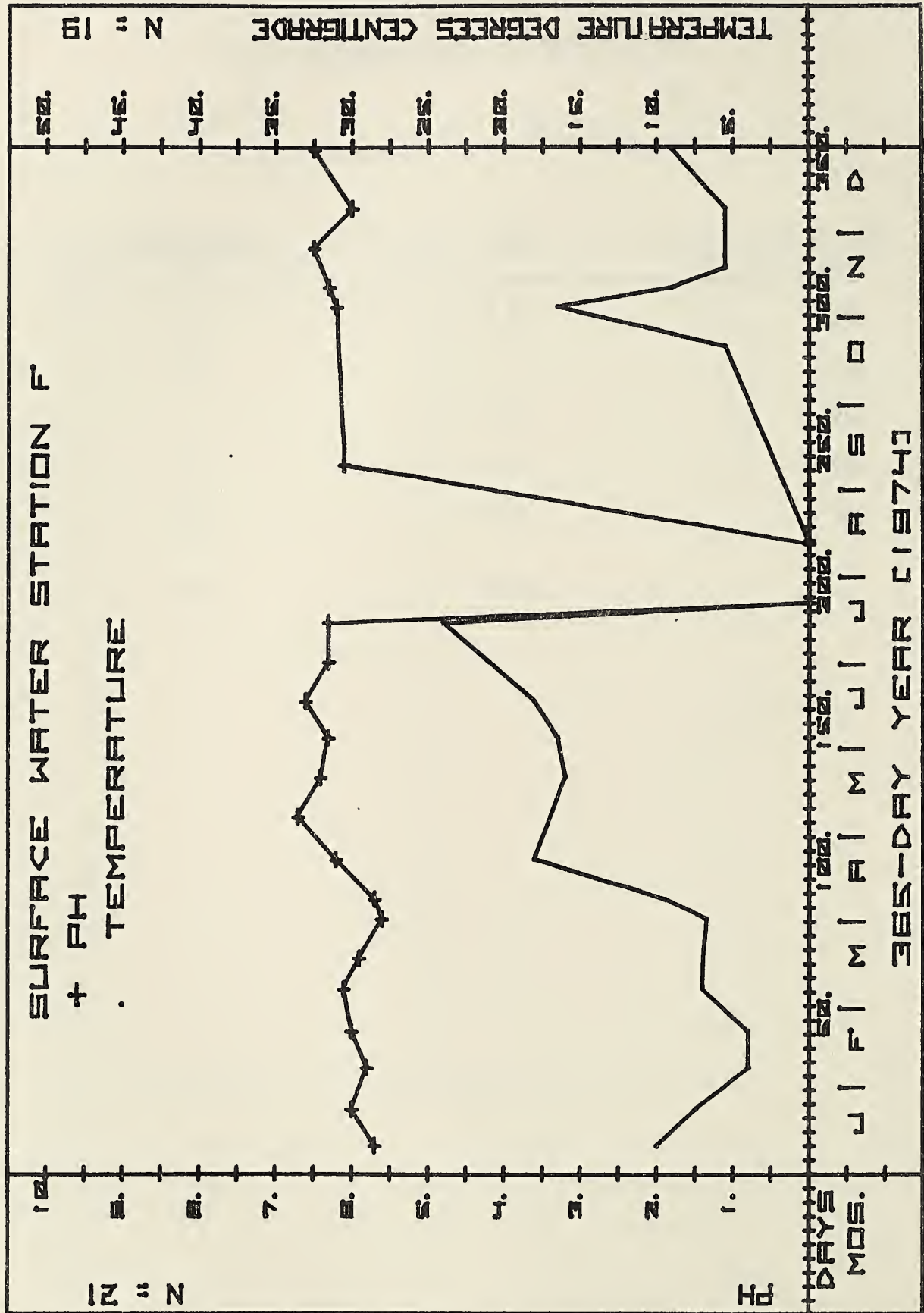
Day of 1974	pH	Temperature °C
10	5.7	10.0
23	6.0	7.5
38	5.8	4.0
51	6.0	4.0
66	6.1	7.0
77	5.9	-
91	5.6	6.7
98	5.7	9.4
112	6.2	18.0
127	6.7	-
141	6.4	16.0
155	6.3	16.5
168	6.6	18.0
182	6.3	21.0
196	6.2	24.0
203	-----Stream Dry-----	
210	" "	
224	" "	
252	6.1	-
294	-	5.5
308	6.2	16.5

Surface Water Station F (Cont'd)

pH

Temperature °C

Day of 1974	pH	Temperature °C
315	6.3	9.0
322	-	5.5
329	6.5	-
343	6.0	5.5
364	6.5	9.0
	N=21	N=19

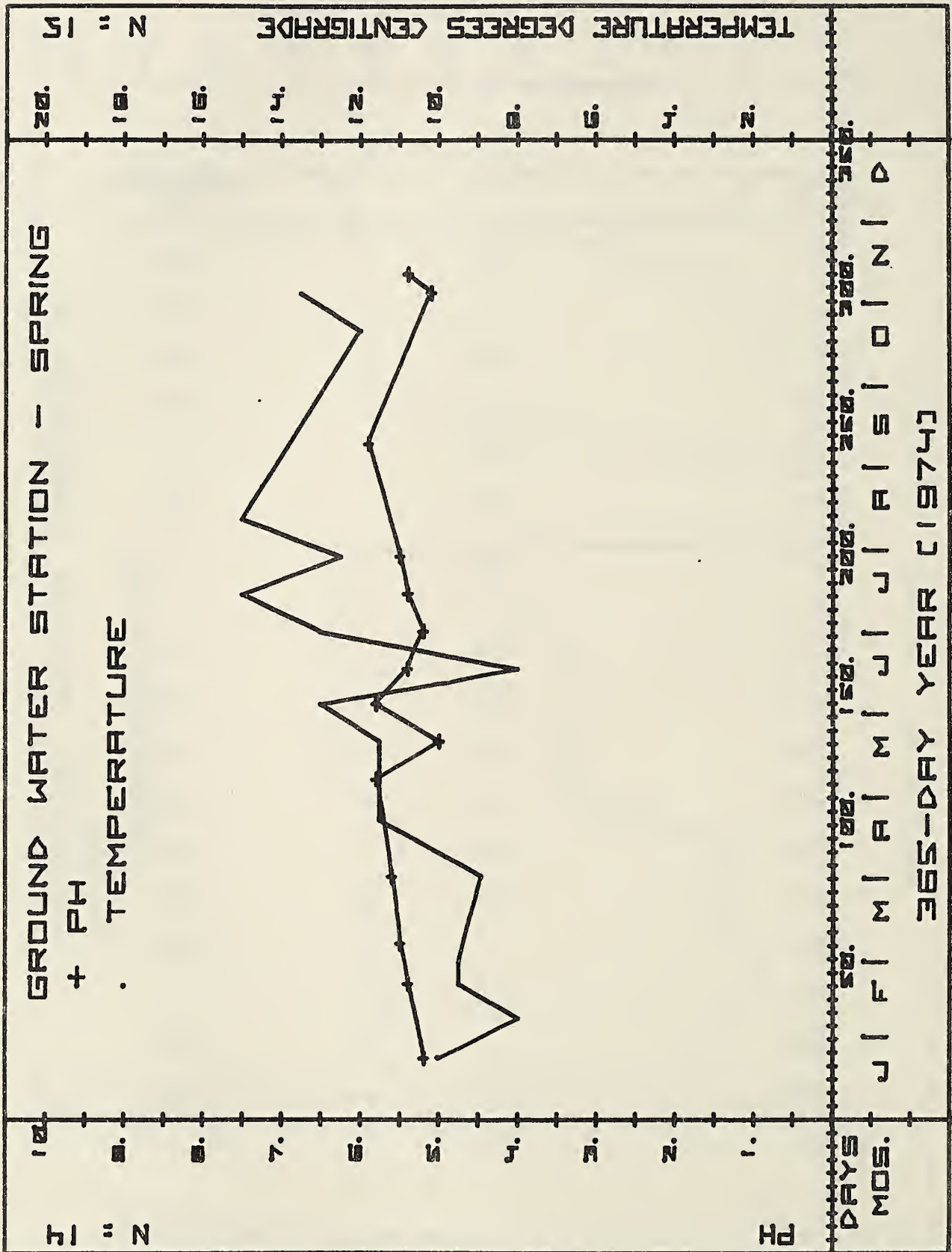


Groundwater - Spring

pH

Temperature °C

Day of 1974	pH	Temperature °C
23	5.2	10.0
38	-	8.0
51	5.4	9.5
59	-	9.5
66	5.5	-
91	5.6	8.9
112	-	11.5
127	5.8	-
141	5.0	11.5
155	5.8	13.0
168	5.4	8.0
182	5.2	13.0
196	5.4	15.0
210	5.5	12.5
224	-	15.0
252	5.9	-
294	-	12.0
308	5.1	13.5
315	5.4	-



Description of Forest Ecology
Intensive Study Sites 1 through 8

The locations of the initial eight intensive study sites are shown on the following map. A general description of each site and the original reason for picking it follows.

Study site 1 - Believed, on the basis of oral history (as reported by Dan Higman), 19th century charts, and its basic unsuitability for agriculture to have never been clear cut or cultivated. Thus, it is perhaps our most likely example of relatively undisturbed deciduous forest.

Study site 2 - Identical to site 1, especially in the southern part. Current aerial photos clearly delineate this whole site from its surroundings on the basis of canopy height, but the northern part may have been cultivated in early colonial period.

Study site 3 - Oral history (as reported by Dan Higman) and aerial photos taken in 1943 indicate this area has not been disturbed since approximately the 1830's but was used as a slave quarters and slave burial grounds prior to that time. As far as can be determined, this site was never cultivated. Much evidence including some archaeological study by Henry Wright indicates it was periodically inhabited by Indians (villages) for several thousand years prior to colonization. Soil is black and many oyster shells are buried in the soil. A radiocarbon date of A.D. 685 ± 65 was obtained on shells at depths of 15 to 30 cm by Robert Stuckenrath of the Smithsonian's Radiation Biology Laboratory. A deciduous forest but with a relatively open canopy and of an unusual species composition.

Study site 4 - A relatively homogeneous mature deciduous forest in which the oldest oaks (by tree core analysis) date back to the 1830's.

Believed on the basis of land use records (Dan Higman) to have been cultivated between 1650's and 1830's.

Study site 5 - A young deciduous forest which was under cultivation (from aerial photos) in 1943 and was then within a year or so abandoned.

Study site 6 - An area of vines and brambles with 'islands' of a few tree species such as sassafras. Its history was otherwise similar to that of site 5.

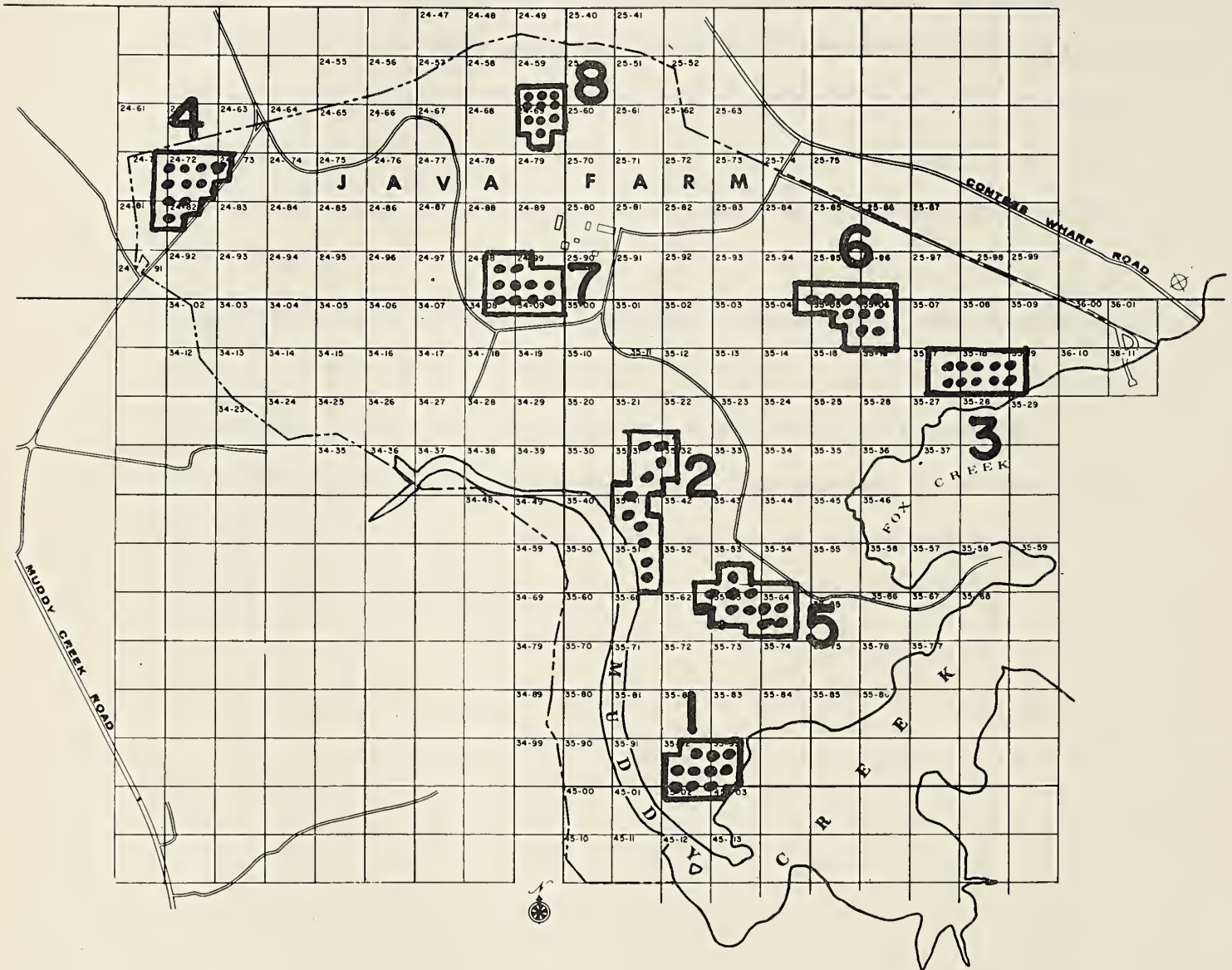
Study site 7 - An area of mixed patches of young trees and brush/vines, which was a mule pasture until 1930's or 1940's, when it was abandoned (as determined from oral history and aerial photos by Dan Higman).

Study site 8 - An area of wet pastureland covered with an introduced grass species (canary grass). It was abandoned in 1940's and still has essentially no trees, bushes, or vines present.

Location of Forest Ecology Intensive Study sites one through 8. Dots within areas are the locations of litter boxes. Box numbers begin with one at the western end of the northernmost row at site 1 and progress in the same manner as the words on a page. Site 2 box numbers begin with number 11, site 3 with 21, etc.

FOREST ECOLOGY AREAS

HECTARE COORDINATES OF JAVA FARM



Soil Sampling and Nutrient Analysis in Forest Ecology Sites

Technique - Soil cores were taken with coring tubes adjacent to each litter box at each site. Each core was divided into surface litter and segments (0-3, 3-5, 5-8, 8-12, 12-18, 18-24, and 24-30 cm). Segments of like depth from adjacent stations were composited, blended, and subsampled for various parameters. The composited samples were designated as follows:

1A - boxes 1, 2, 3	5A - boxes 41, 42, 43
1B - boxes 4, 5, 6	5B - boxes 44, 45, 46
1C - boxes 7, 8, 9, 10	5C - boxes 47, 48, 49, 50
2A - boxes 11, 12, 13	6A - boxes 51, 52, 56
2B - boxes 14, 15, 16	6B - boxes 53, 54, 55
2C - boxes 17, 18, 19, 20	6C - boxes 57, 58, 59, 60
3A - boxes 25, 29, 30	7A - boxes 61, 62, 63
3B - boxes 23, 24, 28	7B - boxes 64, 67, 68, 69
3C - boxes 21, 22, 26, 27	7C - boxes 65, 66, 70
4A - boxes 31, 32, 33, 34	8A - boxes 71, 72, 73
4B - boxes 35, 36, 37	8B - boxes 74, 75, 76
4C - boxes 38, 39, 40	8C - boxes 77, 78, 79, 80

Sampling, compositing, blending, subsampling, dry weight analysis, total phosphorus analysis, and Kjeldahl N analysis were done as described in Correll and Miklas (In Press) Symp. Mineral Cycling in Southeastern Ecosystems, Augusta, Ga., May 1974. pH was determined on a distilled water slurry of soil.

Organic carbon was determined by combustion of acidified samples in oxygen for 10 min. at 550 - 600⁰, purification and weighing of the released carbon dioxide.

Organic matter was also determined as g-calories by wet digestion as described by Maciolek (1962), U. S. Fisheries and Wildlife Service Report #60.

Principal Investigator: David L. Correll, Chesapeake Bay Center for Environmental Studies.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation.

Forest Soil - pH and Nutrient Composition

Site 1 - Day 224, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
Litter	A	4.70	1.03	20.4	474	-
	B	4.71	1.08	17.8	474	-
	C	4.61	1.84	17.3	539	-
Mean +		4.67	1.32	18.5	496	-
Standard Dev.		0.06	0.453	1.62	37.9	-
0-3 cm	A	4.50	0.730	6.68	203	-
	B	4.69	0.889	11.6	478	-
	C	4.40	1.07	12.5	323	-
Mean +		4.53	0.896	10.2	335	-
Standard Dev.		0.15	0.169	3.11	138	-
3-5 cm	A	4.77	0.008	3.38	187	-
	B	4.58	0.812	3.88	109	-
	C	4.63	0.882	2.99	117	-
Mean +		4.66	0.830	3.42	138	-
Standard Dev.		0.10	0.46	0.449	43.0	-
5-8 cm	A	4.93	0.680	1.07	47.8	-
	B	4.80	2.03	2.31	104	-
	C	4.62	0.948	1.72	31.4	-
Mean +		4.78	1.22	1.70	61.1	-
Standard Dev.		0.16	0.817	0.620	38.1	-
8-12 cm	A	4.76	0.990	1.14	33.2	-
	B	4.80	1.45	1.47	82.7	-
	C	4.67	1.02	1.57	31.2	-
Mean +		4.74	1.15	1.39	49.0	-
Standard Dev.		0.07	0.260	0.224	29.2	-

Forest Soil - pH and Nutrient Composition

Site 1 - Day 224, 1974

Depth	Boxes	pH	Phosphorus (mg/g)	Kjel-N dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
12-18 cm	A	4.82	1.02	0.915	12.6	-
	B	4.64	1.45	0.940	21.0	-
	C	4.53	1.09	0.964	20.4	-
Mean +		4.66	1.19	0.940	18.0	-
Standard Dev.		0.15	0.232	0.025	4.70	-
18-24 cm	A	4.75	0.796	0.513	4.13	-
	B	4.79	1.60	0.809	15.4	-
	C	4.65	1.08	0.701	14.3	-
Mean +		4.73	1.16	0.674	11.3	-
Standard Dev.		0.07	0.406	0.150	6.22	-
24-30 cm	A	4.80	0.820	0.630	5.17	-
	B	4.93	1.28	0.528	6.24	-
	C	4.53	1.12	0.478	12.9	-
Mean +		4.75	1.07	0.545	8.11	-
Standard Dev.		0.20	0.233	0.077	4.19	-

Forest Soil - pH and Nutrient Composition

Site 2 - Day 239, 1974

Depth	Boxes	pH	Phosphorus	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
Litter	A	5.34	1.10	14.5	346	-
	B	5.14	1.30	17.9	300	-
	C	4.84	1.29	18.7	315	-
Mean +		5.11	1.23	17.1	320	-
Standard Dev.		0.25	0.110	2.24	23.9	-
0-3 cm	A	5.70	0.566	3.17	34.7	-
	B	4.38	0.878	7.30	213	-
	C	4.32	0.630	6.12	106	-
Mean +		4.80	0.691	5.53	118	-
Standard Dev.		0.78	0.165	2.13	89.9	-
3-5 cm	A	5.50	0.639	5.74	15.1	-
	B	4.40	0.599	3.24	66.5	-
	C	4.45	0.700	2.98	66.4	-
Mean +		4.78	0.646	3.99	49.4	-
Standard Dev.		0.62	0.051	1.53	29.6	-
5-8 cm	A	5.09	0.564	1.72	33.0	-
	B	4.34	0.390	1.22	13.2	-
	C	4.68	0.444	1.52	34.2	-
Mean +		4.70	0.466	1.48	26.8	-
Standard Dev.		0.38	0.089	0.251	11.8	-
8-12 cm	A	5.11	0.844	2.11	24.7	-
	B	4.32	0.390	0.909	7.15	-
	C	4.84	0.457	1.15	36.5	-
Mean +		4.76	0.564	1.39	22.8	-
Standard Dev.		0.40	0.245	0.637	14.8	-

Forest Soil - pH and Nutrient Composition

Site 2 - Day 239, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
12-18 cm	A	4.78	0.436	0.828	5.71	-
	B	4.47	0.367	0.645	5.97	-
	C	4.74	0.402	0.680	11.2	-
Mean +		4.66	0.402	0.718	7.64	-
Standard Dev.		0.17	0.035	0.097	3.13	-
18-24 cm	A	4.77	0.374	0.400	2.91	-
	B	4.43	0.423	0.475	5.33	-
	C	4.80	0.307	0.433	6.94	-
Mean +		4.67	0.368	0.436	5.06	-
Standard Dev.		0.21	0.058	0.038	2.03	-
24-30 cm	A	4.53	0.668	0.617	3.39	-
	B	4.41	0.523	0.595	2.74	-
	C	4.62	0.269	0.292	4.05	-
Mean +		4.52	0.487	0.501	3.40	-
Standard Dev.		0.11	0.202	0.182	0.655	-

Forest Soil - pH and Nutrient Composition

Site 3 - Day 267, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
Litter	A	5.01	1.63	17.2	429	4090
	B	5.42	1.03	19.5	346	3410
	C	5.22	0.939	15.1	468	2290
Mean +		5.22	1.20	17.3	415	3260
Standard Dev.		0.21	0.377	2.21	62.2	908
0-3 cm	A	6.58	0.941	5.61	107	493
	B	6.31	0.851	5.45	121	609
	C	5.40	0.785	4.56	94.9	622
Mean +		6.10	0.859	5.20	108	575
Standard Dev.		0.62	0.078	0.563	13.1	71.4
3-5 cm	A	6.84	0.830	4.61	89.9	561
	B	6.33	0.897	5.70	136	578
	C	5.79	0.811	4.92	70.4	391
Mean +		6.32	0.846	5.07	98.8	510
Standard Dev.		0.53	0.045	0.560	33.7	102
5-8 cm	A	7.43	0.706	3.20	72.9	357
	B	6.59	0.798	4.38	80.1	398
	C	5.57	1.11	3.89	63.1	367
Mean +		6.59	0.871	3.82	72.1	374
Standard Dev.		0.84	0.211	0.591	8.54	20.4
8-12 cm	A	7.86	0.684	2.45	49.1	258
	B	7.10	0.870	2.79	47.5	248
	C	5.68	0.827	2.40	39.0	150
Mean +		6.88	0.794	2.550	45.2	241
Standard Dev.		1.11	0.097	0.213	5.41	20.4

Forest Soil - pH and Nutrient Composition

Site 3 - Day 267, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
12-18 cm	A	7.61	0.536	1.65	27.8	150
	B	7.37	0.754	1.63	-	122
	C	5.63	0.712	1.39	21.1	116
Mean +		6.87	0.684	1.56	24.5	129
Standard Dev.		1.08	0.087	0.144	4.75	17
18-24 cm	A	7.23	0.520	1.041	-	78.2
	B	6.47	0.689	1.11	17.8	71.4
	C	5.57	0.550	0.718	8.67	47.6
Mean +		6.42	0.586	0.956	13.2	64.6
Standard Dev.		0.83	0.090	0.209	6.44	0.7
24-30 cm	A	6.72	0.552	1.150	12.5	64.6
	B	6.37	0.718	0.811	11.4	54.4
	C	5.63	0.825	0.826	14.0	47.6
Mean +		6.24	0.698	0.929	12.6	54.4
Standard Dev.		0.56	0.138	0.192	1.33	10.2

Forest Soil - pH and Nutrient Composition

Site 4 - Day 310, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
Litter	A	5.2	1.41	15.6	518	10700
	B	5.3	1.43	12.4	379	7330
	C	5.2	2.50	16.2	466	6280
Mean +		5.23	1.78	14.7	454	8100
Standard Dev.		0.06	0.622	2.05	70.5	2300
0-3 cm	A	4.8	0.453	2.72	95.7	966
	B	5.2	0.548	2.03	43.8	738
	C	5.1	0.704	2.10	60.2	476
Mean +		5.03	0.568	2.28	66.5	728
Standard Dev.		0.21	0.127	0.379	26.5	245
3-5 cm	A	4.9	0.566	1.97	35.1	503
	B	5.2	0.604	1.57	89.1	428
	C	5.2	0.846	1.64	73.5	316
Mean +		5.10	0.672	1.72	65.9	415
Standard Dev.		0.17	0.152	0.212	27.8	95.2
5-8 cm	A	5.0	0.376	1.19	32.1	2520
	B	5.1	0.391	1.17	35.1	238
	C	5.1	0.767	1.42	59.2	585
Mean +		5.07	0.511	1.26	42.1	357
Standard Dev.		0.06	0.222	0.138	14.9	197
8-12 cm	A	5.1	0.565	1.12	33.2	381
	B	5.2	0.602	0.835	50.3	272
	C	5.2	0.560	0.757	29.2	129
Mean +		5.17	0.576	0.903	37.6	262
Standard Dev.		0.06	0.023	0.190	11.2	126

Forest Soil - pH and Nutrient Composition

Site 4 - Day 310, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
12-18 cm	A	5.1	0.595	1.03	26.8	178
	B	5.1	0.846	0.959	27.0	160
	C	5.1	1.10	1.12	34.4	129
Mean +		5.10	0.848	1.04	29.4	156
Standard Dev.		0.00	0.254	0.081	4.33	23.8
18-24 cm	A	5.0	0.597	0.621	16.5	81.6
	B	5.1	0.676	0.550	14.0	95.2
	C	5.0	1.10	0.697	20.8	88.4
Mean +		5.03	0.790	0.623	17.1	88.4
Standard Dev.		0.06	0.269	0.074	34.6	6.8
24-30 cm	A	5.0	0.373	0.448	9.82	51
	B	5.1	0.425	0.291	8.52	40.8
	C	5.0	1.11	0.552	14.6	51
Mean +		5.03	0.636	0.430	11.0	47.6
Standard Dev.		0.06	0.411	0.132	3.22	6.8

Forest Soil - pH and Nutrient Composition

Site 5 - Day 330, 1974

Depth	Boxes	pH	Phosphorus	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
Litter	A	4.9	1.28	11.0	327	4110
	B	5.0	2.37	8.39	400	3640
	C	5.5	3.55	13.3	561	4880
Mean +		5.13	2.40	10.9	429	4210
Standard Dev.		0.32	1.13	2.44	120	626
0-3 cm	A	5.9	1.02	2.57	54.2	374
	B	5.9	0.820	2.61	73.9	316
	C	5.8	1.06	2.97	55.7	694
Mean +		5.87	0.964	2.72	61.2	462
Standard Dev.		0.06	0.127	0.217	11.0	204
3-5 cm	A	5.6	1.10	2.58	31.9	187
	B	5.5	0.897	2.50	39.1	173
	C	5.5	0.989	2.19	48.7	479
Mean +		5.53	0.997	2.42	39.9	279
Standard Dev.		0.06	0.104	0.204	8.46	173
5-8 cm	A	5.3	1.09	2.02	30.1	180
	B	5.3	1.03	2.18	43.3	187
	C	5.1	0.958	1.43	35.3	-
Mean +		5.23	1.03	1.88	36.3	184
Standard Dev.		0.12	0.068	0.396	6.64	3.4
8-12 cm	A	5.1	1.32	1.78	31.9	156
	B	5.2	0.775	1.84	41.6	218
	C	5.0	0.732	1.18	17.7	160
Mean +		5.10	0.943	1.60	30.4	177
Standard Dev.		0.10	0.329	0.360	12.0	34

Forest Soil - pH and Nutrient Composition

Site 5 - Day 330, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
12-18 cm	A	5.6	0.797	1.04	9.11	78.2
	B	5.6	0.378	1.10	12.5	116
	C	5.4	0.853	1.32	14.0	156
Mean +		5.53	0.677	1.15	11.9	116
Standard Dev.		0.12	0.260	0.148	2.52	40.8
18-24 cm	A	5.5	0.692	0.886	12.5	88.4
	B	5.6	0.648	1.01	15.8	74.8
	C	5.5	0.906	1.05	12.3	95.2
Mean +		5.53	0.749	0.983	13.5	85
Standard Dev.		0.06	0.138	0.087	1.96	10.2
24-30 cm	A	5.5	1.40	1.14	17.1	85
	B	5.5	0.824	0.747	11.3	40.8
	C	5.4	0.624	0.829	14.9	64.6
Mean +		5.47	0.952	0.905	14.5	64.6
Standard Dev.		0.06	0.405	0.207	2.93	23.8

Forest Soil - pH and Nutrient Composition

Site 6 - Day 81, 1974

Depth	Boxes	pH	Phosphorus (mg/g dry weight)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
Litter	A	4.96	1.10	14.5	346	4460
	B	5.01	1.30	17.9	300	2980
	C	5.05	1.29	18.7	315	2980
Mean +		5.01	1.23	17.1	32.0	3370
Standard Dev.		0.05	0.110	2.24	23.9	962
0-3 cm	A	5.70	0.566	3.17	34.7	415
	B	4.38	0.878	7.30	213	476
	C	4.32	0.630	6.12	106	340
Mean +		4.80	0.691	5.53	118	411
Standard Dev.		0.78	0.165	2.13	899	68
3-5 cm	A	5.50	0.639	5.74	15.1	204
	B	4.40	0.599	3.24	66.5	320
	C	4.45	0.700	2.98	66.4	377
Mean +		4.78	0.646	3.99	49.4	299
Standard Dev.		0.62	0.051	1.53	29.6	88.4
5-8 cm	A	5.09	0.564	1.72	33.0	262
	B	4.34	0.390	1.22	13.2	146
	C	4.68	0.444	1.52	34.2	371
Mean +		4.70	0.466	1.48	26.8	258
Standard Dev.		0.38	0.089	0.251	11.8	112
8-12 cm	A	5.11	0.844	2.11	24.7	143
	B	4.32	0.390	0.909	7.15	207
	C	4.84	0.457	1.15	36.5	109
Mean +		4.76	0.564	1.39	22.8	153
Standard Dev.		0.40	0.245	0.637	14.8	51

Forest Soil - pH and Nutrient Composition

Site 6 - Day 281, 1974

Depth	Boxes	pH	Phosphorus (mg/g)	Kjel-N (mg/g dry weight)	Organic Carbon	Organic Matter (g cal/g dry wt.)
12-18 cm	A	4.78	0.436	0.828	5.71	105
	B	4.47	0.357	0.645	6.00	102
	C	4.74	0.402	0.680	11.2	207
Mean +		4.66	0.402	0.718	7.64	139
Standard Dev.		0.17	0.035	0.097	3.13	61.2
18-24 cm	A	4.77	0.374	0.400	2.91	95.2
	B	4.43	0.423	0.475	5.33	47.6
	C	4.80	0.307	0.433	6.94	85
Mean +		4.67	0.368	0.436	5.06	74.8
Standard Dev.		0.21	0.058	0.038	2.03	57.8
24-30 cm	A	4.53	0.668	0.617	3.39	37.4
	B	4.41	0.523	0.595	2.74	37.4
	C	4.62	0.269	0.292	4.05	47.6
Mean +		4.52	0.487	0.501	3.40	40.8
Standard Dev.		0.11	0.202	0.182	0.655	6.8

Soil Mineral Analyses

% Composition by Mineral Classes

Mineral Abbreviations

M	Montmorillonite	G	Gibbsite
I	Illite	Qtz	Quartz
Ch	Chlorite	Plag	Plagioclase
K	Kaolinite	Cal	Calcite
	Kspar	Potassium feldspar	
	T	Talc	

% Composition by Size Classes

% Organic Matter vs Mineral

Technique - Samples were aliquotes of composites from soil cores at depths of 30 - 32 cm. Samples were composited as for nutrient analyses. Samples were analyzed for size distribution of the particles by standard techniques for particles of sizes over 0.5 μ m in diameter (Folk, R. L. (1961). Petrology of Sedimentary Rocks, Hemphills, Austin, Texas. Oxidizable organic matter was determined by loss of dry weight upon oxidation with 30% hydrogen peroxide (Pierce, J. W.; Nelson, D. D.; and Colquhoun, D. J. (1972). In Shelf Sediment Transport, Ed. by Swift, Duane, and Pilkey. Dowden, Hutchinson, and Ross; Stroudsburg, Pa. pp. 281-306). Mineral composition was determined on the residues from soil samples after oxidation of organic matter with 30% hydrogen peroxide (Pierce, J. W.; Nelson, D. D.; and Colquhoun, D. J. (1972), in Swift, Duane, and Pilkey (Eds.) Shelf Sediment Transport, Dowden, Hutchinson, and Ross, Stroudsburg, Pa. p. 281-306. Mineral composition was determined by X-ray diffraction according to Jackson, M. L. (1956), Soil Chemical Analysis: Advanced Course, published by the author, Department Soil Section, University of Wisconsin, Madison, 894 p. Diffractometer scans were from 4° to 34° 2theta with Ni-filtered, Cu Kalpha radiation on

glycolated and heat-treated samples (Carroll, D. (1970), Clay Minerals: A Guide to their X-ray Identification, Geol. Soc. Amer., Spec. Paper 126.

Principal Investigator: Jack W. Pierce, Department of Paleobiology, National Museum of Natural History, Smithsonian Institution.

Research Funding: Smithsonian Research Foundation and the Program for Research Applied to National Needs of the National Science Foundation.

Percent Mineral Composition as Done by X-Ray Defraction

Sample	M	I	Ch	K	G	Qtz	Kspar	Plag	Cal
1A <62um	14	7	6	17	4.5	47	4.5	0	
< 2um	5.4	5.4	5.4	14	4	49	2.8	7	7
1B <62um	15	8	9	6	2	56	2	2	
< 2um	34	5	6	4	4	41	4	2	
1C <62um	5	4	17	8	3	54	6	3	
< 2um	15	10	10	6.5	.8	48	6.5	3.2	
2A <62um	36	9	0	15	0	33	1	6	
< 2um	47	12	0	17	4	20	0	0	
2B <62um	36	9	7	12	4	4	24	4	
< 2um	27	5	6	22	6	26	5	3	
2C <62um	36	9	4	9	2	30	6	4	
< 2um	25	10	11	9	0	38	7	0	
3A <62um	9	3	3	5	0	67	11	2	
< 2um	29	12	3	20	2	34	0	0	
3B <62um	37	9	6	23	0	25	0	0	
< 2um	32	7	4	13	0	41	0	0	3
3C <62um	19	7	4	7	0	47	10	6	
< 2um	30	9	0	24	0	26	7	4	
4A <62um	31	5	4	9	3	42	3	3	
< 2um	37	9	4	10	5	34	0	0	
4B <62um	44	9	2	9	0	33	3	2	
< 2um	40	10	3	11	4	32	0	0	
4C <62um	34	5	3	7	4	38	7	2	
< 2um	56	13	3	10	0	18	0	0	
6A <62um	20	8	3	9	0	46	10	4	
< 2um	44	8	3	13	0	32	0	0	
6B <62um	30	7	7	19	0	30	4	3	
< 2um	36	10	5	21	5	23	0	0	
6C <62um	31	9	5	9	2	29	6	10	
< 2um	34	9	6	21	4	25	2	0	

Percent Mineral Composition as Done by X-Ray Defraction

Sample	M	I	Ch	K	G	Qtz	Kspar	Plag	T
5A<62 μ	43	8	4	4.5	3	31	4	2.5	0
<2 μ	57	11	4	8	4	13	3	0	0
5B<62 μ	35	12	7	12	5	29	0	0	0
<2 μ	50.5	22	3	8	3	13.5	0	0	0
5C<62 μ	14	10	3	2	0	68	1	1	1
<2 μ	55	11	5	9	0	20	0	0	0
7A<62 μ	46	24	2	7	0	21	0	0	0
<2 μ	63	20	0	5	0	12	0	0	0
7B<62 μ	62	6	0	9	0	23	0	0	0
<2 μ	76	9	2	4	0	9	0	0	0
7C<62 μ	40	12	1	2.5	0	37	4	2.5	0
<2 μ	61	20	1	3	0	15	0	0	0
8A<62 μ	65	10	1.5	3	0	17	2	1.5	0
<2 μ	61	10	0	9.5	0	13	6.5	0	0
8B<62 μ	60	4.5	0	3.5	0	28	2	2	0
<2 μ	61	7	3	8	0	13	5	3	0
8C<62 μ	57	12.5	1.5	3	0	21	3.5	1.5	0
<2 μ	56	16.5	3	9	0	11	4.5		0

Grain Size
Percent of Total

<u>Sample</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>
1A	23.3%	43.6%	33.1%
1B	26 %	39 %	35 %
1C	43 %	29 %	28 %
2A	51 %	30 %	19 %
2B	31.8%	52.6%	15.6%
2C	47.5%	41.3%	11.2%
3A	44.8%	29.1%	26.1%
3B	27.4%	36.3%	36.3%
3C	43.3%	30.4%	26.3%
4A	31.6%	45.5%	22.9%
4B	34.5%	36.2%	29.3%
4C	51 %	25 %	24 %
6A	41.2%	31.4%	27.4%
6B	50.3%	29.0%	20.7%
6C	40.3%	31.2%	28.5%

Grain Size
Percent of Total

<u>Sample</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>
5A	37%	46%	17%
5B	31%	46%	23%
5C	42%	44%	14%
7A	43%	41%	16%
7B	37%	44%	19%
7C	50%	35%	15%
8A	15%	68%	17%
8B	39%	44%	17%
8C	54%	34%	12%

Clay 2

Percent Organics and Non-oxidized

<u>Sample</u>	<u>% Organics</u>	<u>% Non-oxidized</u>
1A	17%	83%
1B	22%	78%
1C	9%	91%
2A	5%	95%
2B	5%	95%
2C	8%	92%
3A	.2%	99.8%
3B	2%	98%
3C	.8%	99.2%
4A	18%	82%
4B	3%	97%
4C	4%	96%
6A	2%	98%
6B	3%	97%
6C	1%	99%

Clay <2 μ

Percent organics and non-oxidized

<u>Sample</u>	<u>% Organics</u>	<u>% Non-oxidized</u>
5A	5%	95%
5B	6%	94%
5C	5%	95%
7A	9%	91%
7B	3%	97%
7C	3%	97%
8A	7%	93%
8B	3%	97%
8C	6%	94%

Major Cations of Forest Soils
(by atomic absorption)
K, Ca, Mg, Na (ug/g dry wt)

Technique - Samples were composited from ten cores at each site, one core having been taken at each litter box (see Forest Ecology site map). Accurately weight 0.1 g of oven-dried composite soil sample into a 30 ml micro-Kjeldahl flask. Add 5 ml of concentrated nitric acid and boil gently until the solution is about 2 ml, cool the Kjeldahl flask and add 10 ml of distilled water and again boil down to about 2 ml. The solution was then diluted to 50 ml with distilled water in a volumetric flask. Aliquots of this solution are subjected to atomic absorption analysis. A Jarrel Ash 82-500 atomic absorption spectrophotometer was used. Concentrations reported have been corrected for efficiency of analysis. Soil samples were the same samples, as were analyzed for pH and nutrients.

Principal Investigator: Tung-Lin Wu, Chesapeake Bay Center for Environmental Studies, Smithsonian Institution.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation and the Smithsonian Institution.

Forest Soils - Potassium Concentrations (ug/g dry wt)

Site	Litter	Depth (cm)						
		0-3	3-5	5-8	8-12	12-18	18-24	24-30
1	1431	462	413	324	430	428	544	380
2	813	424	412	322	464	367	524	601
3	3822	1257	1103	987	914	687	725	860
4	3148	612	570	692	889	1067	762	935
5	4711	625	414	593	491	604	548	977
6	3962	571	824	899	840	616	1144	790
7	4232	2883	2569	3012	2380	2034	2889	1646
8	1160	991	830	1245	935	822	704	907

Forest Soils - Magnesium Concentrations (ug/g dry wt)

Site	Litter	Depth (cm)						
		0-3	3-5	5-8	8-12	12-18	18-24	24-30
1	1216	826	1056	930	1164	1343	2080	1635
2	1227	1379	2196	924	1316	996	1448	1724
3	2440	2487	2259	2200	2330	1677	1552	1848
4	1663	1416	1498	1474	1395	2039	1494	1723
5	2459	1792	1187	1487	1503	1783	1454	1577
6	2047	1526	1611	1754	1606	1470	1865	1849
7	2859	2397	5705	2726	2196	2218	3030	6775
8	1091	1697	1883	2115	2056	2355	1683	1851

Forest Soils - Sodium Concentrations (ug/g dry wt)

Site	Litter	Depth (cm)						
		0-3	3-5	5-8	8-12	12-18	18-24	24-30
1	581	193	237	203	180	67	130	76.5
2	704	42.9	16.2	40.8	nd	nd	nd	nd
3	357	89.9	143	65.9	76.3	nd	31.5	36.3
4	93.7	34.4	nd	nd	nd	nd	32.2	235
5	408	nd	nd	37.6	38.8	nd	30.8	86.7
6	85.6	nd	37.9	nd	nd	33.8	nd	nd
7	203	114	175	169	142	135	54.1	171
8	48.6	nd	nd	35	31.5	34.6	29.7	nd

nd - less than 15 ug/g dry wt.

Forest Soils - Calcium Concentrations (ug/g dry wt)

Site	Litter	Depth (cm)							
		0-3	3-5	5-8	8-12	12-18	18-24	24-30	
1	20800	ND	ND	ND	ND	ND	ND	ND	
2	13100	ND	ND	ND	ND	ND	ND	ND	
3	25000	3390	2980	1660	1921	3840	ND	ND	
4	11700	ND	ND	ND	ND	ND	ND	ND	
5	18100	ND	ND	ND	ND	ND	ND	ND	
6	15200	ND	ND	ND	ND	ND	ND	ND	
7	6490	652	444	ND	338	178	155	ND	
8	827	ND	ND	ND	ND	ND	ND	ND	

Precision Data on Liter Samples*

Concentrations Found (ug/g dry wt)

Samples	K	Ca	Mg	Na
I	4685.0	4485.6	2500.6	179.6
II	4153.0	5373.7	2167.7	179.7
III	4237.8	5518.0	3567.6	315.1
Average	4358.5	5125.8	2745.3	164.8
Standard deviation	385.8	559.1	731.3	25.7
Coefficient of variation %	10	10	30	20

* Site 7 liter samples were used.

Precision Data on Soils Samples *

Concentrations Found (ug/g dry wt)

Samples					
I	2954.6	42.0	1310.9	105.9	
II	-	99.1	5351.8	237.9	
III	2087.9	89.7	4654.7	134.5	
IV	-	0	2602.4	69.9	
Average	2521.2	57.7	3480.0	137.1	
Standard deviation	612.8	45.9	1858.2	72.2	
Coefficient of variation %	20	80	50	50	

* Site 7 soil samples of 3-5 cm.

Analysis of Sediment and Soil Samples by Electron Microprobe

Sampling - Soil samples are collected from Forest Ecology site 2, these are composite soil samples prepared by Joe Miklas. The bottom sediment samples were collected June 17, 1974. The bottom sediment samples were taken up with an Eckman dredge, top 3 cm are taken as "surface" bottom sediment samples, and 3 - 8 cm are taken as samples from that depth.

Sample preparation - All samples are air-dried for about 4 weeks at room temperature. Weigh accurately 0.200 g of dried sample and add exactly three times of the weight of flux material. The flux material is made by mixing 38 g of lithium tetraborate, 29.6 g of lithium carbonate and 13.2 g of Lanthanum oxide, the mixture is then fused at 1010°C and reground to 100 mesh. Sample and flux are mixed well and transferred into graphite crucible and fused at 1010°C for 20 minutes. The fused sample is cooled and the bead formed is sawed into two halves. The surface is ground, polished, and mounted into discs for microprobe analysis. The sample preparation and microprobe analysis is a routine procedure of the Department of Mineral Science, Smithsonian Institution. Detailed information can be obtained for the analytical procedure.

Principal Investigator: Tung Lin Wu, Chesapeake Bay Center for Environmental Studies.

Research Funding: Program for Research Applied to National Needs of the National Science Foundation.

Oxide Table of Forest Soil Samples at Site 2

Depth	SiO ₂	Al ₂ O ₃	FeO	MgO	CaO	K ₂ O	Na ₂ O	TiO ₂	MnO	Total (%)	% Volatile
Litter	9.399	57.795	.921	1.347	4.027	1.225	.589	.162	.040	75.506	24.494
0 - 3 cm	-	-	-	-	-	-	-	-	-	-	-
3 - 5 cm	70.964	8.217	2.766	.375	.157	1.510	.462	.921	0.84	85.456	14.544
5 - 8 cm	78.906	8.106	2.989	.504	.196	1.618	.452	.922	.057	93.751	6.249
8 -12 cm	49.903	8.260	2.966	.420	.146	1.719	.432	.976	.040	94.863	5.137
12-18 cm	-	-	-	-	-	-	-	-	-	-	-
18-24 cm	78.400	10.356	3.558	.660	.170	1.952	.452	1.056	.058	96.662	3.338
24-30 cm	76.760	10.738	3.770	.582	.169	1.909	.451	1.091	.056	95.526	4.474

- Sample lost

Litter Box Data from Forest Ecology
Intensive Study Sites

Technique - Litter boxes were constructed with sides of braced 1" x 12" pine boards such that they were 1 meter by 1 meter from center to center as seen from above. The wood was treated with Cuprinol preservative and the bottom was covered with fiber glass window screening. The boxes were distributed as shown in the forest ecology site map, 10 per site on an evenly spaced grid. Litter was collected at weekly to monthly intervals, depending on the season beginning in the summer of 1974. Leaves and seeds were sorted by species where possible, counted and weighed after drying to constant weight at 60° C. Leaf areas were measured with an area meter under a light table with diffuse even lighting. The meters had selenium photodiode cells, type A, of various sizes connected in parallel to a ten turn resistor pot and to an amperage meter. The meter was first adjusted to give full scale deflection when the surface of the photocell was not obstructed, then the decrease in reading was measured when a leaf was placed over the photocell surface. Only dry weight was measured on other miscellaneous litter (bark, twigs, etc.).

Principal Investigator: David L. Correll, Radiation Biology Laboratory, Smithsonian Institution.

Research Funding: Smithsonian Fluid Research Fund.

Dates of Initiation of
Litter Study for Each Site

<u>Site Number</u>	<u>Dates</u>
1	July 16
2	July 17
3	July 25
4	July 19
5	August 20
6	July 25
7	August 22
8	July 31

Forest Ecology Study

Species List

GYMNOSPERMAE

Pinaceae

Pinus virginiana

Virginia pine

Pinus taeda

Loblolly pine

Cupressaceae

Juniperus virginiana

Virginia red cedar

ANGIOSPERMAE

Monocotyledoneae

Dicotyledoneae

Salicaceae

Salix nigra

Black willow

Juglandaceae

Juglans nigra

Black walnut

Betulaceae

Carya globra

Pignut hickory

Carya tomentosa

Mockernut hickory

Carpinus carolena

American hornbeam

Betula lutea

Yellow birch

Ostrya virginiana

Ironwood

Fagaceae

Castanea dentata

Chestnut

Quercus velutina

Black oak

Quercus stellata

Post oak

Quercus falcata

Southern red oak

Quercus alba

White oak

Quercus palustris

Pin oak

Quercus marilandica

Black jack oak

Quercus Muehlenbergii

Yellow oak

Quercus prinus

Chestnut oak

Quercus rubra

Red oak

Quercus phellos

Willow oak

Fagus grandifolia

Beech

Quercus coccinea

Scarlet oak

Ulmaceae

Ulmus americana

American elm

Magnoliaceae

Liriodendron

Tulip tree

Lauraceae

Sassafras albidum

Sassafras

Liquidambar	
<i>Styraciflua</i>	Sweet gum
Platanaceae	
<i>Platanus occidentalis</i>	Sycamore
Rosaceae	
<i>Prunus cerasus</i>	Sour cherry
<i>Prunus serotina</i>	Black cherry
<i>Prunus avium</i>	Sweet cherry
<i>Prunus virginiana</i>	Choke cherry
<i>Amelanchier arborea</i>	Service-berry
<i>Fraxinus pennsylvanica</i>	Red ash
Leguminosae	
<i>Robinea pseudo-acacia</i>	Black locust
Simaroubaceae	
<i>Ailanthus altissima</i>	Tree of heaven
Aquilifoliaceae	
<i>Ilex opaca</i>	American holly
Aceraceae	
<i>Acer rubrum</i>	Red maple
<i>Acer negundo</i>	Box elder
Nyssaceae	
<i>Nyssa sylvatica</i>	Tupelo (Sour gum)
Cornaceae	
<i>Cornus florida</i>	Dogwood
Ebenaceae	
<i>Diospyros virginiana</i>	Persimmon

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
204	2	Oaks	3	1.3
	7	Oaks	4	1.3
205	16	Oaks	11	1.3
	17	Oaks	2	0.5
207	31	Oaks	8	1.5
	32	Hickories	2	0.6
	33	Oaks	8	1.5
	34	Oaks	3	0.4
	35	Beech	5	3.0
	37	Oaks	6	0.7
211	2	Oaks	2	0.2
	6	Oaks	1	0.5
	7	Oaks	1	0.7
	9	Oaks	3	0.6
212	16	Oaks	8	0.8
	19	Oaks	3	0.6
213	31	Oaks	3	0.3
	32	Beech	1	0.2
	32	Oaks	2	0.3
	33	Oaks	5	0.9
	34	Oaks	3	0.3
	35	Beech	1	1.1
	37	Oaks	5	0.9
	37	Beech	3	0.9
218	4	Oaks	10	1.6
	7	Oaks	10	3.3
	15	Oaks	1	0.3
	16	Oaks	9	1.2
	17	Oaks	6	1.0
	18	Dogwood	1	0.1
	18	Oaks	2	0.2
	19	Oaks	2	0.1

¹ In the case of sweet gum, black locust, and persimmon the number and weight of receptacles or fruits, rather than reproductive seeds were recorded.

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
219	31	Beech	1	0.1
	31	Oaks	8	1.7
	33	Beech	1	0.2
	33	Oaks	5	1.1
	35	Beech	5	2.5
	37	Oaks	4	0.6
	37	Beech	2	0.7
	38	Oaks	2	1.7
	40	Beech	1	0.4
220	22	Black Locust	1	0.05
	29	Black Locust	1	0.10
	52	Dogwood	1	0.03
	9	Oaks	14	3.2
	9	Tupelo	3	2.0
226	15	Sweet Gum	1	2.2
	17	Oaks	2	0.4
227	31	Oaks	1	0.1
	35	Beech	1	0.3
	37	Oaks	10	2.5
228	25 ²	-	-	0.02
	26 ²	-	-	0.9
	30 ²	-	-	0.7
232	3 ²	-	-	2.8
	7 ²	-	-	0.1
	9	Tupelo	-	0.1
	9 ²	-	-	0.4
	41 ²	-	-	1.0
234	13	Tulip Poplar	1	0.4
	31	Oaks	-	0.4
	33	Oaks	-	0.55
	35	Beech	-	0.65
	37	Oaks	-	2.9
	38	Oaks	-	0.5
	77 ²	-	-	0.7

² Species and number of fruits/seeds were not recorded.

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
235	22 ²	-	-	1.7
	23 ²	-	-	1.0
	25 ²	-	-	0.2
	26 ²	-	-	17.2
	29 ²	-	-	1.0
	60	Tulip Poplar	-	0.4
239	6 ²	-	-	0.4
	9 ²	-	-	1.2
	10 ²	Oaks	-	1.1
	41 ²	-	-	12.6
	45 ²	-	-	0.4
	46 ²	-	-	0.2
	49 ²	-	-	0.5
	50 ²	-	-	1.3
241	11 ²	-	-	2.3
	12 ²	-	-	2.6
	13 ²	Tulip Poplar	-	1.3
	16 ²	-	-	1.0
	20 ²	-	-	0.3
242	22 ²	-	-	0.7
	27 ²	-	-	0.7
	30	Oaks	-	0.7
246	3	Oaks	-	2.9
	7 ²	Oaks	-	0.5
	9 ²	-	-	2.6
	10 ²	-	-	0.7
	41 ²	-	-	0.65
	49 ²	-	-	0.4
247	32 ²	-	-	1.0
	33 ²	-	-	0.6
	34 ²	-	-	0.9
	35 ²	-	-	3.9
	37 ²	-	-	0.25
	77	Oaks	-	0.3
248	12 ²	-	-	3.45
	14	Oaks	-	0.65
	16	Oaks	-	1.5
	17	Oaks	-	3.6
	62 ²	-	-	3.1
	66 ²	-	-	1.1

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
249	21 ²	-	-	0.4
	22 ²	-	-	0.7
	23 ²	-	-	0.4
	25 ²	-	-	0.35
	26 ²	-	-	0.37
	27 ²	-	-	0.2
	29 ²	-	-	1.7
	30 ²	-	-	0.2
	52 ²	-	-	0.2
253	3 ²	-	-	7.7
	5 ²	-	-	0.4
	8 ²	-	-	2.4
	9 ²	-	-	1.05
	10 ²	-	-	0.5
	41 ²	-	-	3.55
	45 ²	-	-	0.01
	49 ²	-	-	1.2
	50 ²	-	-	0.86
254	33 ²	Oaks	-	1.0
	37 ²	-	-	11.15
255	12 ²	-	-	1.65
	13 ²	-	-	1.5
	14 ²	-	-	1.75
	16 ²	-	-	1.85
	17 ²	-	-	0.4
	18 ²	-	-	1.8
	19 ²	-	-	3.9
	62 ²	-	-	7.6
	64 ²	-	-	0.3
	66 ²	-	-	1.55
256	21 ²	-	-	0.3
	26 ²	-	-	0.3
	30 ²	-	-	0.3
	55	Persimmon	-	8.1
260	2 ²	-	-	1.6
	3 ²	-	-	3.5
	4 ²	-	-	1.1
	5 ²	-	-	2.6
	6 ²	-	-	1.6

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
260	7 ²	-	-	1.0
	8 ²	-	-	1.1
	9 ²	-	-	2.1
	10 ²	-	-	2.05
	41 ²	-	-	1.75
	45 ²	-	-	0.3
	49 ²	-	-	0.6
261	35 ²	-	-	0.5
	37 ²	-	-	2.4
262	12 ²	-	-	1.1
	13 ²	-	-	0.5
	14 ²	-	-	1.9
	16 ²	-	-	0.4
	17 ²	-	-	2.45
	61 ²	Persimmon	-	2.35
	62 ²	-	-	7.4
	64 ²	-	-	0.15
	66 ²	-	-	2.55
263	30 ²	-	-	0.3
	53	Persimmon	-	43.8
267	3 ²	-	-	3.6
	5 ²	-	-	1.8
	9 ²	-	-	5.9
	10 ²	-	-	1.25
268	32 ²	-	-	3.55
	35 ²	-	-	1.1
	37 ²	-	-	1.8
	38 ²	-	-	5.1
	77 ²	-	-	0.9
269	14 ²	-	-	4.75
	15 ²	-	-	1.7
	16 ²	-	-	2.2
	17 ²	-	-	1.3
	62 ²	-	-	4.65
270	21 ²	-	-	0.85
	22 ²	-	-	0.65
	23 ²	-	-	0.3
	25 ²	-	-	0.9

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
270	27 ²	-	-	0.6
	28 ²	-	-	0.7
	29 ²	-	-	0.6
	55	Persimmon	-	27.47
274	6	Oaks	-	4.0
	7	Oaks	-	3.2
	8	Oaks	-	1.4
	9	Oaks	-	10.0
	10	Oaks	-	4.0
275	32	Beech	-	1.5
	35	Beech	-	2.7
	37	Beech	-	0.8
	38	Oaks	-	9.65
	40	Beech	-	0.65
	77 ²	-	-	0.15
276	11	Tulip Poplar	4	0.1
	14	Oaks	4	2.6
	15	Sweet Gum	-	5.3
	16	Oaks	6	2.4
	18	Oaks	2	1.4
	61	Persimmon	1	4.1
	62	Oaks	16	6.1
277	21	Black Locust	23	2.3
	22	Black Locust	6	0.7
	25	Black Locust	11	1.25
	27	Black Locust	8	0.9
	28	Black Locust	4	0.5
	29	Black Locust	13	1.55
	55	Persimmon	-	52.3
	60	Tulip Poplar	-	11.0
281	2	Oaks	-	5.75
	6	Oaks	-	3.2
	8	Oaks	-	3.1
	9	Oaks	-	5.3
	10	Oaks	-	2.0
282	32	Beech	-	4.9
	33	Beech	-	1.2
	34	Beech	-	0.65
	35	Beech	-	3.8

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
282	37	Beech	-	0.6
	38	Beech	-	0.4
	38	Oaks	-	1.65
	40	Beech	-	1.2
283	14	Oaks	-	1.35
	17	Oaks	-	1.2
	20	Persimmon	9	7.1
	20	Oaks	6	1.9
284	21	Black Locust	4	0.2
	55	Persimmon	2	10.2
288	2	Oaks	4	9.55
	6	Oaks	7	12.6
	9	Oaks	12	9.55
	10	Oaks	3	7.3
289	31	Beech	1	0.5
	32	Beech	18	14.4
	33	Beech	2	0.5
	35	Beech	25	11.8
	37	Beech	1	0.45
	39	Oaks	4	11.6
	40	Beech	3	2.5
	77	Oaks	2	0.45
290	13	Tulip Poplar	-	3.3
	14	Oaks	1	2.0
	16	Oaks	6	3.2
	17	Oaks	7	3.85
	18	Dogwood	5	0.7
	61	Persimmon	3	8.3
	62	Oaks	14	3.3
291	21	Black Locust	3	0.1
	23	Black Locust	3	0.5
	55	Persimmon	3	7.4
296	32	Beech	24	14.4
	34	Beech	5	1.05
	35	Beech	4	6.1
	37	Beech	3	1.7
	38	Beech	4	2.05
	40	Beech	3	1.85

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
297	11	Tulip Poplar	-	0.3
	13	Tulip Poplar	22	0.7
	61	Persimmon	2	4.0
	62	Oaks	4	0.7
298	21	Black Locust	5	1.0
	25	Black Locust	1	0.5
	29	Black Locust	2	0.1
303	31	Beech	2	2.3
	31	Tulip Poplar	8	0.3
	32	Beech	34	19.0
	33	Beech	2	1.4
	34	Beech	4	1.9
	34	Tulip Poplar	21	0.5
	35	Beech	3	6.1
	35	Tulip Poplar	14	0.4
	36	Tulip Poplar	65	1.7
	37	Beech	2	0.7
	38	Beech	6	2.4
	40	Tulip Poplar	13	0.3
	40	Beech	5	1.7
304	11	Tulip Poplar	45	1.1
	12	Tulip Poplar	48	1.0
	13	Tulip Poplar	458	22.7
	61	Persimmon	2	3.2
305	60	Tulip Poplar	37	1.4
309	48	Tulip Poplar	18	0.45
310	31	Beech	1	0.35
	31	Tulip Poplar	29	0.7
	32	Beech	12	5.3
	32	Tulip Poplar	40	1.0
	33	Beech	2	1.0
	33	Tulip Poplar	43	1.0
	34	Beech	12	2.5
	34	Tulip Poplar	38	0.8
	35	Beech	6	3.35
	35	Tulip Poplar	28	0.6
	36	Tulip Poplar	124	3.0
	37	Beech	6	2.3

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds	Dry Weight (g)
310	37	Tulip Poplar	50	1.3
	38	Beech	12	6.0
	40	Beech	4	2.0
	40	Tulip Poplar	22	0.55
311	11	Tulip Poplar	171	3.8
	12	Tulip Poplar	225	5.5
	13	Tulip Poplar	605	25.9
	16	Sweet Gum	1	2.2
	65	Tulip Poplar	16	0.45
312	25	Tulip Poplar	16	0.4
	29	Black Locust	7	0.85
	53	Tulip Poplar	11	0.35
	55	Persimmon	2	11.7
	60	Tulip Poplar	25	0.9
316	41	Tulip Poplar	19	0.7
	50	Tulip Poplar	9	0.4
317	31	Tulip Poplar	43	1.0
	32	Beech	5	1.65
	32	Tulip Poplar	68	1.7
	33	Beech	1	0.25
	33	Tulip Poplar	130	3.1
	34	Tulip Poplar	61	1.35
	35	Beech	1	0.5
	35	Tulip Poplar	35	0.75
	36	Tulip Poplar	133	3.0
	37	Tulip Poplar	-	1.25
	38	Beech	2	0.9
	38	Tulip Poplar	93	2.2
	39	Tulip Poplar	84	1.7
	40	Tulip Poplar	28	0.75
	77	Tulip Poplar	5	0.3
318	11	Tulip Poplar	218	4.9
	12	Tulip Poplar	340	7.7
	13	Tulip Poplar	257	5.9
	14	Tulip Poplar	75	1.6
	15	Sweet Gum	1	1.7
	15	Tulip Poplar	18	0.4
	16	Tulip Poplar	10	0.3
	61	Persimmon	1	2.4

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
318	61	Tulip Poplar	20	0.5
	63	Tulip Poplar	7	0.1
	64	Tulip Poplar	16	0.4
	65	Tulip Poplar	38	0.9
319	22	Black Locust	2	0.4
	29	Black Locust	4	0.35
	55	Persimmon	1	3.2
	57	Tulip Poplar	18	0.8
	59	Tulip Poplar	9	0.3
	60	Tulip Poplar	23	0.9
323	41	Tulip Poplar	46	1.3
	42	Tulip Poplar	26	0.65
	43	Tulip Poplar	71	2.0
	44	Tulip Poplar	13	0.4
	45	Tulip Poplar	49	1.3
	46	Tulip Poplar	16	0.5
	48	Tulip Poplar	64	1.9
	49	Tulip Poplar	14	0.45
	50	Tulip Poplar	34	0.9
324	31	Tulip Poplar	74	1.85
	31	Beech	1	0.3
	32	Tulip Poplar	74	2.6
	33	Tulip Poplar	183	6.25
	34	Beech	2	0.4
	34	Tulip Poplar	115	3.1
	35	Beech	3	1.55
	35	Tulip Poplar	30	0.6
	36	Tulip Poplar	79	1.8
	37	Tulip Poplar	116	3.3
	38	Tulip Poplar	83	2.2
	39	Tulip Poplar	87	2.2
	40	Beech	2	0.8
	40	Tulip Poplar	73	2.0
	72	Tulip Poplar	17	0.6
	73	Tulip Poplar	21	0.7
	74	Tulip Poplar	36	1.2
	75	Tulip Poplar	12	0.5
	76	Tulip Poplar	21	0.6
	77	Tulip Poplar	44	1.4
	77	Ash	28	0.8
	78	Tulip Poplar	18	0.6
	79	Tulip Poplar	25	-
	80	Tulip Poplar	29	0.9

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
325	61	Tulip Poplar	14	0.5
	62	Tulip Poplar	17	0.4
	63	Tulip Poplar	18	0.4
	65	Tulip Poplar	33	1.0
	67	Tulip Poplar	18	0.5
	69	Tulip Poplar	8	0.2
	70	Tulip Poplar	17	0.5
326	21	Black Locust	6	0.95
	22	Black Locust	5	0.9
	23	Black Locust	4	0.5
	25	Tulip Poplar	23	0.85
	25	Black Locust	4	0.5
	27	Black Locust	5	1.0
	28	Black Locust	3	0.5
	29	Black Locust	6	0.9
	30	Black Locust	2	0.25
	51	Tulip Poplar	12	0.45
	55	Persimmon	1	4.8
	56	Tulip Poplar	8	0.2
	59	Tulip Poplar	23	1.0
	60	Tulip Poplar	21	0.8
330	42	Tulip Poplar	32	0.85
	43	Tulip Poplar	24	0.6
	45	Tulip Poplar	93	2.4
	46	Tulip Poplar	19	0.5
	47	Tulip Poplar	13	0.4
	48	Tulip Poplar	22	0.6
	49	Sweet Gum	1	4.1
	50	Sweet Gum	1	1.85
331	31	Beech	3	0.8
	31	Tulip Poplar	12	0.3
	32	Sweet Gum	4	9.5
	33	Tulip Poplar	22	0.5
	34	Tulip Poplar	42	1.1
	35	Beech	4	0.9
	37	Tulip Poplar	20	0.4
	38	Beech	9	0.4
	39	Beech	1	2.9
	39	Tulip Poplar	17	0.4
	71	Tulip Poplar	30	1.0
	74	Tulip Poplar	45	1.3

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
331	75	Tulip Poplar	14	0.5
	77	Tulip Poplar	102	3.35
	78	Tulip Poplar	33	1.35
	80	Tulip Poplar	62	2.25
332	11	Tulip Poplar	182	4.6
	23	Tulip Poplar	261	6.9
	13	Tulip Poplar	242	6.1
	14	Beech	4	1.3
	14	Tulip Poplar	71	1.9
	17	Sweet Gum	1	3.1
	61	Tulip Poplar	72	1.9
	62	Tulip Poplar	43	1.1
	63	Tulip Poplar	44	1.1
	64	Tulip Poplar	42	1.1
	65	Tulip Poplar	34	1.0
	66	Tulip Poplar	15	0.5
	67	Sweet Gum	1	2.0
	68	Tulip Poplar	20	0.5
	70	Tulip Poplar	13	0.5
333	30	Black Locust	4	0.4
	60	Sweet Gum	1	2.7
337	49	Tulip Poplar	1	-
	50	Box Elder	1	-
338	32	Beech	4	0.8
	33	Beech	3	0.5
	34	Beech	-	0.6
	35	Sweet Gum	1	2.9
	37	Beech	2	0.7
	38	Tulip Poplar	36	0.9
	39	Tulip Poplar	27	0.7
	39	Beech	3	1.0
	40	Beech	8	5.4
	40	Tulip Poplar	42	1.3
	80	Tulip Poplar	15	0.6
339	11	Tulip Poplar	78	1.9
	12	White Oak	-	1.4
	12	Tulip Poplar	90	2.3
	12	Sweet Gum	1	2.3
	13	Tulip Poplar	90	2.2
	13	Beech	4	1.2

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
339	14	Tulip Poplar	27	0.7
	14	Beech	1	0.1
	15	Sweet Gum	1	2.3
	15	Tulip Poplar	48	1.6
	16	Sweet Gum	3	6.6
	16	Tulip Poplar	21	1.0
	17	Sweet Gum	3	5.4
	17	Tulip Poplar	41	1.3
	18	Tulip Poplar	30	1.0
	19	Tulip Poplar	27	0.7
	20	Sweet Gum	1	3.2
	20	Tulip Poplar	11	0.3
	62	Sweet Gum	2	4.6
	63	Tulip Poplar	26	0.7
	70	Sweet Gum	1	2.5
340	21	Black Locust	10	1.8
	22	Black Locust	13	2.4
	26	Black Locust	9	1.4
	28	Black Locust	8	1.3
	29	Black Locust	3	0.7
344	46	Sweet Gum	1	1.9
351	9	Tulip Poplar	1	0.0
	13	Tulip Poplar	-	0.7
	17	Sweet Gum	-	1.8
	17	Tulip Poplar	13	0.3
	32	Sweet Gum	1	1.6
	36	Tulip Poplar	4	0.2
	40	Tulip Poplar	3	0.1
	72	Tulip Poplar	17	0.5
	73	Tulip Poplar	14	0.7
	74	Tulip Poplar	12	0.4

¹ In the case of sweet gum, black locust, and persimmon the number and weight of receptacles or fruits, rather than reproductive seeds were recorded.

² Species and number of fruits/seeds were not recorded.

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
351	76	Tulip Poplar	8	0.4
	76	Ash	7	0.2
	77	Tulip Poplar	14	0.7
	77	Black Locust	1	0.1
	78	Black Locust	13	0.5
	78	Ash	4	0.2
358	1	Beech	1	0.1
	2	Tulip Poplar	1	0.1
	6	Tulip Poplar	1	0.0
	11	Tulip Poplar	42	0.9
	12	Tulip Poplar	31	0.6
	13	Tulip Poplar	33	0.8
	14	Tulip Poplar	18	0.4
	16	Tulip Poplar	4	0.1
	16	Oak	2	0.4
	17	Sweet Gum	1	1.7
	20	Tulip Poplar	7	0.2
	20	Tulip Poplar	6	0.2
	25	Black Locust	1	0.2
	27	Black Locust	1	0.2
	28	Black Locust	3	0.3
	29	Black Locust	-	0.4
	31	Oak	1	0.2
	31	Tulip Poplar	9	0.2
	31	Beech	1	0.2
	32	Sweet Gum	1	2.3
	32	Beech	3	0.5
	32	Tulip Poplar	12	0.3
	33	Beech	1	0.1
	33	Tulip Poplar	22	0.6
	34	Tulip Poplar	24	0.5
	35	Tulip Poplar	10	0.2
	36	Beech	-	0.5
	37	Tulip Poplar	-	0.5
	38	Tulip Poplar	-	0.4
	39	Tulip Poplar	9	0.3
	40	Beech	1	0.1
	40	Tulip Poplar	7	0.2
	43	Tulip Poplar	7	0.2
	44	Tulip Poplar	7	0.1
	45	Tulip Poplar	33	0.9
	46	Tulip Poplar	10	0.3
	47	Tulip Poplar	2	0.1

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds ¹	Dry Weight (g)
358	48	Tulip Poplar	5	0.3
	48	Beech	4	0.2
	50	Beech	1	0.1
	50	Tulip Poplar	5	0.2
	51	Tulip Poplar	4	0.2
	57	Tulip Poplar	3	0.1
	58	Tulip Poplar	2	0.1
	69	Tulip Poplar	8	0.4
	59	Beech	1	0.1
	60	Tulip Poplar	5	0.2
	63	Tulip Poplar	27	0.4
	63	Ash	1	0.0
	67	Tulip Poplar	5	0.2
	68	Tulip Poplar	23	0.4
	70	Tulip Poplar	7	0.2
	71	Tulip Poplar	44	1.2
	71	Ash	14	0.4
	72	Tulip Poplar	22	0.7
	72	Ash	6	0.2
	73	Tulip Poplar	27	0.7
	73	Ash	2	0.1
	74	Tulip Poplar	20	0.6
	74	Ash	48	1.3
	75	Ash	5	0.2
	75	Tulip Poplar	12	0.4
	75	Black Locust	1	0.1
	76	Tulip Poplar	18	0.7
	77	Tulip Poplar	22	0.8
	78	Ash	18	0.7
	78	Tulip Poplar	38	1.2
	79	Tulip Poplar	10	0.4
	80	Tulip Poplar	10	0.3
	80	Ash	5	0.2
365	4	Beech	1	0.2
	11	Tulip Poplar	10	0.6
	11	Sweet Gum	4	0.0
	12	Tulip Poplar	13	0.3
	13	Tulip Poplar	44	1.2
	15	Tulip Poplar	11	0.4
	17	Sweet Gum	2	3.8
	18	Sweet Gum	-	4.7
	19	Tulip Poplar	3	0.1
	28	Black Locust	1	0.2
	32	Sweet Gum	1	2.4

Forest Ecology Litter Box Data - 1974

Seeds

Day of 1974	Box Number	Species	Number of Seeds	Dry Weight (g)
365	32	Tulip Poplar	3	0.1
	34	Tulip Poplar	5	0.4
	35	Beech	2	0.3
	36	Beech	1	0.3
	37	Tulip Poplar	6	0.1
	38	Tulip Poplar	8	0.3
	38	Beech	8	1.5
	39	Tulip Poplar	-	0.1
	39	Beech	-	0.4
	40	Beech	-	0.5
	41	Sweet Gum	-	1.2
	42	Tulip Poplar	4	0.1
	44	Tulip Poplar	6	0.1
	45	Tulip Poplar	3	0.1
	46	Tulip Poplar	4	0.0
	62	Sweet Gum	1	3.4
	62	Tulip Poplar	9	0.2
	64	Tulip Poplar	15	0.4
	72	Tulip Poplar	5	0.1
	73	Tulip Poplar	6	0.1
	77	Tulip Poplar	6	0.2
	79	Tulip Poplar	9	0.3

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
204	1	0.4
	2	1.0
	3	1.3
	4	0.4
	6	1.3
	7	0.8
	8	1.0
205	13	2.8
	14	0.6
	16	0.6
	18	0.2
	19	0.1
207	31	0.3
	32	0.4
	33	0.1
	34	3.0
	35	0.4
	36	0.1
	38	0.4
	39	0.2
211	2	2.4
	4	0.7
	5	1.0
	6	23.2
	8	5.6
	9	0.6
	10	3.2
	11	0.1
	12	0.1
	18	1.4
213	32	16.4
	33	0.5
	36	0.2
	37	3.1
	40	0.8
214	22	2.1
	23	6.3
	24	2.2

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
214	25	0.3
	26	10.1
	28	0.4
	29	0.1
218	5	0.1
	6	5.2
	7	0.3
	8	1.8
	11	1.7
	13	0.1
	14	10.2
	16	0.2
	17	0.1
	19	0.1
219	31	0.1
	32	0.1
	33	2.1
	34	0.2
	35	0.3
	36	0.5
	37	1.6
	38	0.5
	61	0.1
	62	4.5
	63	0.3
	64	0.7
	65	0.7
	66	0.1
	67	0.7
220	22	11.5
	23	2.2
	24	0.7
	26	0.3
	27	0.5
	28	5.12
	29	1.2
	30	0.7
	52	0.8
	59	0.3

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
239	4	3.2
	6	4.5
	7	0.8
	8	2.3
	9	2.65
240	31	0.7
	34	29.3
	36	0.3
	37	35.3
	40	1.5
241	12	42.6
	16	2.0
	20	2.8
242	21	2.6
	23	0.8
	24	3.5
	26	4.6
	27	2.7
	28	1.0
	29	4.8
	30	3.3
	46	4.6
246	2	2.15
	4	0.6
	5	1.1
	6	1.05
	7	0.4
	9	0.9
	44	0.5
	45	0.25
	46	0.2
247	34	2.5
	35	3.85
	37	15.4
	38	1.25

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
248	11	0.65
	12	0.7
	13	1.8
	14	2.0
	16	20.1
	17	0.85
	20	2.0
	66	3.1
	67	25.9
	70	0.9
249	21	2.8
	22	1.75
	23	0.9
	24	2.75
	25	1.65
	26	1.65
	27	0.85
	29	1.5
	30	0.2
	59	9.6
	60	0.6
253	2	1.3
	4	0.2
	6	0.5
	8	0.7
	9	0.7
	10	2.4
	41	0.15
	45	0.15
	46	0.61
	47	5.4
	49	0.2
	50	0.1
254	34	6.0
	35	0.35
	37	1.7
	39	0.7

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
255	11	5.9
	12	0.1
	14	0.2
	16	1.1
	61	2.5
	62	0.3
	63	0.15
	64	1.1
	66	0.1
	67	1.0
	68	0.1
256	21	0.3
	22	0.85
	23	0.8
	24	1.3
	25	2.9
	26	1.6
	29	0.3
	55	0.2
	59	1.3
260	2	0.1
	3	10.0
	6	28.2
	8	1.5
	9	1.2
	41	0.3
	48	0.1
	50	0.7
261	32	0.6
	35	0.3
	39	1.1
262	11	0.2
	15	0.3
	19	0.85
	66	0.45
	67	5.0

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
262	21	0.4
	22	3.3
	24	1.3
	25	0.75
	26	0.4
	27	0.7
	30	0.5
	59	0.5
267	2	4.7
	3	1.3
	4	0.8
	5	5.0
	6	20.0
	7	3.0
	8	1.6
	9	4.5
	10	0.4
	41	0.6
	42	0.7
	45	1.6
	48	1.7
	49	0.8
	50	1.9
268	31	2.9
	32	0.35
	35	2.2
	36	6.4
	38	0.7
	39	1.0
	40	6.6
269	11	0.2
	13	5.7
	14	2.5
	16	1.25
	64	10.5
	67	7.9
270	21	0.4
	22	7.6
	23	3.65
	24	7.1

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
270	25	25.8
	26	1.0
	27	4.4
	29	0.7
	30	0.65
	55	0.4
	60	1.5
274	2	4.6
	4	0.65
	6	1.25
	8	1.0
	9	2.6
	10	1.5
	41	0.7
	42	1.0
	44	1.4
	47	1.8
	50	0.9
275	34	66.9
	35	11.7
	36	0.2
	37	386.4
	38	5.5
	39	2.5
	77	0.2
276	11	1.0
	12	13.3
	13	1.5
	14	2.6
	15	3.5
	16	13.4
	18	0.75
	20	0.5
	61	2.25
	64	13.2
	66	11.9
	67	18.2
	68	1.1

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
277	22	2.35
	24	59.3
	25	1.6
	26	1.1
	27	1.3
	28	2.7
	29	0.9
	30	1.7
	60	14.2
281	4	0.9
	9	6.7
	42	0.55
	45	6.6
	46	1.5
	47	0.35
	48	0.85
	50	1.0
282	34	0.35
	35	3.8
	39	3.35
283	14	0.9
284	21	1.4
	22	0.6
	24	2.2
	27	0.5
288	2	1.15
	6	2.4
	8	1.35
	10	1.3
	50	0.65
289	40	1.25
290	66	0.9
	67	7.1
	68	0.65

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
291	21	0.6
	22	3.6
	24	0.85
	26	2.0
	27	0.65
	30	1.4
	59	16.55
295	2	1.4
	3	12.1
	8	1.7
	10	0.85
	50	0.55
296	31	0.55
	35	1.15
	38	1.4
	39	0.45
297	11	1.3
	12	1.1
	14	3.5
	15	26.9
	19	1.0
	67	7.7
	68	2.0
298	28	2.0
	60	6.6
302	2	0.9
	4	0.7
	5	4.0
	6	4.65
	9	3.45
	10	9.35
	47	0.3
	50	1.8
303	34	0.7
	37	0.8
	38	4.0

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
304	11	19.0
	13	0.7
	14	3.7
	16	5.1
	18	6.7
	66	1.0
	67	12.7
	68	3.2
305	26	0.5
	29	0.7
	59	0.55
309	1	0.55
	3	5.9
	5	1.35
	7	2.45
	8	3.4
	9	4.35
	10	5.75
	50	1.0
310	33	2.65
	34	3.0
	35	2.7
	36	26.1
	37	1.05
	38	2.05
	39	7.55
311	11	1.4
	14	6.8
	16	102.8
	17	6.5
	19	1.4
	20	3.15
	66	1.5
312	24	3.55
	59	0.9
	60	1.3

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
316	2	0.9
	3	0.85
	5	6.1
	6	6.15
	9	2.45
	10	0.7
	46	1.6
	49	2.0
317	37	4.8
	39	0.7
318	11	24.85
	14	4.25
	16	3.1
	19	0.85
	67	1.75
319	21	1.6
	27	10.7
323	2	0.8
	3	2.05
	6	12.2
	9	2.4
324	33	13.6
	38	2.3
325	11	1.9
	14	0.9
	61	4.5
	67	5.2
	68	3.0
326	24	7.9
	26	1.4
	27	6.0
	52	1.1
	59	18.8

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
330	1	0.9
	2	2.1
	4	31.4
	6	1.3
	8	8.25
	9	1.7
	10	2.6
	41	5.7
	42	23.55
	44	2.7
	45	2.15
	46	16.0
	40	22.2
331	31	5.2
	33	4.8
	36	13.2
	37	1.9
	38	3.3
	40	1.7
332	11	7.0
	12	1.8
	16	3.7
	18	5.0
	20	7.6
	67	10.6
	68	1.7
333	29	5.6
337	1	8.1
	2	22.5
	3	26.7
	5	23.0
	6	20.3
	7	10.6
	8	1.4
	9	3.9
	41	1.8
	43	31.1
	44	20.5

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
337	45	136.6
	46	38.5
	47	3.8
	49	17.9
338	31	15.4
	32	23.1
	33	11.5
	35	20.4
	36	3.0
	37	37.0
	38	4.8
	39	20.6
	40	15.4
339	11	16.8
	12	35.3
	13	91.9
	14	22.1
	15	5.2
	16	13.4
	17	63.1
	18	12.5
	19	8.8
	20	3.5
	61	8.3
	64	19.7
	67	116.9
	68	8.2
	70	3.0
340	21	9.1
	22	3.4
	23	23.2
	24	18.4
	27	13.8
	28	16.7
	29	32.0
	30	5.8
	55	41.2
344	5	1.5
	7	2.1
	8	3.7

Forest Ecology Litter Box Data - 1974

(Other Miscellaneous Litter,
i.e. bark, twigs, etc.)

Day of 1974	Box Number	Dry Weight (g)
344	9	9.5
	41	2.6
	42	2.4
345	32	2.6
346	13	2.3
	14	1.5
	68	1.5
	70	1.3
351	3	1.0
	5	0.3
	14	73.2
358	7	0.9
	14	0.9
	25	1.1
	34	1.2
	45	0.6
	61	10.5
365	2 5 11 13 14 16 19 20 29 32 34 36 38 42 43 45 47 49	2.7
365		19.5
		0.2
		1.8
		0.6
		3.5
		2.0
		29.4
		18.6
		9.6
		6.4
		8.5
		4.0
		0.3
		5.7
		1.9
		8.5
		29.4

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
204	1	Dogwood	3	78.6	0.5
		Spanish Oak	6	101.6	1.1
		Tupelo	1	19.7	0.3
		Misc. Frag.	-	32.8	0.5
		Total	10	232.7	2.4
204	2	Misc. Frag.	-	22.9	0.2
204	3	White Oak	1	32.8	0.4
		Misc. Frag.	-	26.2	0.2
		Total	1	59.0	0.6
204	4	Tupelo	5	108.3	0.9
		Misc. Frag.	-	13.1	0.2
		Total	5	121.4	1.1
204	5	American Holly	1	6.5	0.2
		Beech	1	6.5	0.01
		Red Maple	1	13.1	0.01
		White Oak	1	16.4	0.2
		Misc. Frag.	-	19.7	0.1
		Total	4	62.2	0.52
204	6	Spanish Oak	1	3.3	0.01
		White Oak	1	36.0	0.8
		Misc. Frag.	-	42.6	0.01
		Total	2	81.9	0.82
204	7	Red Maple	2	49.1	0.3
		Spanish Oak	3	59.0	0.7
		Misc. Frag.	-	39.3	0.2
		Total	5	147.4	1.2
204	8	Spanish Oak	1	1.7	0.1
		Misc. Frag.	-	13.1	0.1
		Total	1	14.8	0.2
204	9	Beech	6	71.8	0.3
		White Oak	4	72.1	0.2
		Misc. Frag.	-	22.9	0.2
		Total	10	166.8	0.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
204	10	Dogwood	1	19.7	0.1
		Red Maple	2	19.7	0.01
		White Oak	1	3.3	0.3
		Misc. Frag.	-	4.9	0.01
		Total	4	47.6	0.42
205	11	Dogwood	1	36.0	0.3
		Red Maple	4	91.8	0.6
		Tulip Poplar	7	288.3	1.4
		Misc. Frag.	-	6.5	0.2
		Total	12	422.6	2.5
205	12	Beech	2	31.2	0.3
		Tulip Poplar	2	63.9	0.1
		Misc. Frag.	-	1.6	0.01
		Total	4	96.7	0.41
205	13	Tulip Poplar	3	58.9	0.6
		Misc. Frag.	-	19.7	0.3
		Total	3	78.6	0.9
205	14	Beech	6	173.6	1.2
		White Oak	4	81.9	0.6
		Misc. Frag.	-	1.6	0.01
		Total	10	257.1	1.81
205	15	Black Cherry	3	32.8	0.1
		Dogwood	1	16.4	0.05
		Misc. Frag.	-	13.1	0.05
		Total	4	62.3	0.2
205	16	Beech	1	9.8	0.01
		Hornbeam	20	88.4	0.1
		Red Maple	3	98.2	0.4
		Misc. Frag.	-	6.5	0.01
		Total	24	202.9	0.52
205	17	Sweet Gum	3	81.9	0.6
205	18	Red Maple	1	26.2	0.3
		Misc. Frag.	-	9.8	0.2
		Total	1	36.0	0.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
205	19	Chestnut Oak	1	16.4	0.1
		Sweet Gum	1	39.3	0.2
		Misc. Frag.	-	13.1	0.1
		Total	2	68.8	0.4
205	20	Dogwood	13	226.1	1.5
		Hornbeam	2	16.4	0.01
		Misc. Frag.	-	19.7	0.1
		Total	15	262.2	1.61
207	31	Beech	7	122.8	0.7
		Oak	1	16.4	0.2
		Misc. Frag.	-	6.5	0.2
		Total	8	145.7	1.1
207	32	Beech	2	26.2	0.1
		Tulip Poplar	1	13.1	0.01
		Misc. Frag.	-	3.3	0.01
		Total	3	42.6	0.12
207	33	Oak	1	19.7	0.1
		Misc. Frag.	-	13.1	0.2
		Total	1	32.8	0.3
207	34	Beech	4	49.1	0.3
		Oak	1	9.8	0.05
		Tulip Poplar	3	45.9	0.4
		Misc. Frag.	-	6.5	0.05
		Total	8	111.3	0.8
207	35	Beech	7	98.3	0.7
		Dogwood	1	23.0	0.4
		Tulip Poplar	3	56.0	0.4
		Total	11	177.3	1.5
207	36	Beech	1	32.8	0.1
		Tulip Poplar	3	68.8	0.2
		Misc. Frag.	-	45.9	0.2
		Total	4	147.5	0.5
207	37	Tulip Poplar	1	49.1	0.2
		Misc. Frag.	-	9.8	0.01
		Total	1	58.9	0.21

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
207	38	Beech	3	16.4	0.2
		Virginia Pine	5	-	0.01
		Misc. Frag.	-	11.8	0.1
		Total	8	28.2	0.31
207	39	Beech	3	62.2	1.0
		Hickory	7	91.7	1.1
		Tulip Poplar	1	16.4	0.1
		Misc. Frag.	-	29.5	0.5
		Total	11	199.8	2.7
207	40	Beech	2	13.1	0.01
		Tulip Poplar	1	19.7	0.1
		Misc. Frag.	-	6.5	0.01
		Total	3	39.3	0.12
211	1	Spanish Oak	2	72.1	0.7
		Tupelo	5	129.4	0.8
		Misc. Frag.	-	26.2	0.2
		Total	7	227.7	1.7
211	2	Spanish Oak	1	26.2	0.4
		Misc. Frag.	-	6.5	0.2
		Total	1	32.7	0.6
211	3	Spanish Oak	2	32.8	0.6
		Sweet Gum	1	26.2	0.3
		Total	3	59.0	0.9
211	4	Beech	2	12.1	0.01
		Tupelo	21	455.3	3.6
		Misc. Frag.	-	45.9	0.2
		Total	23	513.3	3.81
211	5	Red Maple	1	52.4	0.1
		Spanish Oak	3	58.9	0.5
		Tupelo	6	262.1	1.9
		White Oak	2	160.0	0.9
		Misc. Frag.	-	13.1	0.01
		Total	12	546.5	3.41
211	6	Tupelo	3	57.3	0.2
		White Oak	1	26.2	0.2
		Misc. Frag.	-	6.5	0.01
		Total	4	90.0	0.41

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
211	7	Beech	1	19.7	0.01
		Oak	3	108.1	1.1
		Red Maple	1	32.8	0.2
		Total	5	160.6	1.31
211	8	Red Maple	1	19.7	0.01
		White Oak	1	36.0	0.3
		Total	2	55.7	0.31
211	9	Beech	2	26.2	0.2
		Tupelo	13	324.3	1.9
		Misc. Frag.	-	39.3	0.2
		Total	15	389.8	2.3
211	10	Red Maple	1	9.8	0.1
		Tupelo	2	42.6	0.4
		Misc. Frag.	-	49.1	0.4
		Total	3	101.5	0.9
212	11	Dogwood	1	36.0	0.1
		Maple	2	39.3	0.2
		Tulip Poplar	5	150.7	1.1
		Misc. Frag.	-	27.8	0.2
		Total	8	253.8	1.6
212	12	Red Maple	3	55.7	0.2
		Tupelo	3	68.8	0.2
		Misc. Frag.	-	13.1	0.2
		Total	6	137.6	0.6
212	13	American Holly	1	9.8	0.01
		Beech	1	16.4	0.01
		Dogwood	3	32.8	0.01
		Hickory	5	72.1	0.9
		Tulip Poplar	10	235.8	1.3
		Tupelo	1	19.7	0.2
		Total	21	386.6	2.43
212	14	White Oak	2	42.6	0.4
		Beech	4	32.8	0.3
		Total	6	75.4	0.7
212	15	Beech	1	19.7	0.2
		Red Maple	2	209.7	0.6
		White Oak	2	45.8	0.7
		Total	5	275.2	1.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
212	16	Oak	1	59.0	0.6
		Spanish Oak	1	13.1	0.3
		Sweet Gum	1	36.0	0.4
		White Oak	1	22.9	0.2
		Total	4	131.0	1.5
212	17	Beech	2	45.9	0.2
		Hornbeam	1	9.8	0.1
		Misc. Frag.	-	6.5	0.01
		Total	3	62.2	0.31
212	18	Pin Oak	1	16.4	0.15
		Red Maple	1	9.8	0.2
		Spanish Oak	1	36.0	0.5
		Misc. Frag.	-	32.8	0.7
		Total	3	95.0	1.55
212	19	White Oak	2	26.2	0.3
		Misc. Frag.	-	9.8	0.4
		Total	2	36.0	0.7
212	20	Beech	1	16.4	0.1
		Dogwood	2	26.2	0.2
		Red Maple	2	22.9	0.3
		Spanish Oak	1	19.7	0.2
		Tupelo	13	176.8	4.5
		Misc. Frag.	-	19.7	0.2
		Total	19	281.7	5.5
213	31	Beech	5	36.0	0.1
213	32	Beech	9	85.2	0.5
		Hickory	8	291.5	1.8
		Total	17	376.7	2.3
213	33	Beech	7	88.5	0.4
		Hickory	7	176.9	1.2
		Tulip Poplar	3	68.8	0.6
		Misc. Frag.	-	13.1	0.01
		Total	17	347.3	2.21
213	34	Beech	3	91.7	0.8
		Tulip Poplar	6	65.5	0.2
		Total	9	157.2	1.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
213	35	Tulip Poplar	5	52.4	0.6
		Tupelo	2	59.0	0.3
		Total	7	111.4	0.9
213	36	Beech	14	222.7	1.2
		Sweet Gum	1	16.4	0.2
		Tulip Poplar	11	186.7	1.9
		Total	26	425.8	3.3
213	37	Spanish Oak	13	314.6	8.0
213	38	Beech	1	6.5	0.1
		Tulip Poplar	8	226.0	2.0
		White Oak	1	3.3	0.1
		Misc. Frag.	-	1.6	0.01
		Total	10	237.4	2.21
213	39	Beech	-	19.7	0.3
213	40	Beech	3	22.9	0.1
		Misc. Frag.	-	3.3	0.01
		Total	3	26.2	0.11
214	21	American Elm	3	39.3	0.6
214	22	American Elm	14	137.6	1.4
214	23	American Elm	13	91.7	0.8
214	24	American Elm	94	511.1	6.8
		Cherry	5	32.8	0.5
		Total	99	543.9	7.3
214	25	American Elm	3	39.3	0.6
214	26	American Elm	23	163.8	1.5
214	27	American Elm	41	288.3	3.7
214	29	American Elm	20	137.6	2.3
214	30	American Elm	17	281.7	2.1
214	51	Misc. Frag.	-	33.0	0.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
214	52	Misc. Frag.	-	65.5	0.2
214	54	Misc. Frag.	-	183.5	4.15
214	58	Sweet Gum	1	6.6	0.1
		Tupelo	2	19.7	0.1
		Misc. Frag.	-	157.2	1.6
		Total	3	183.5	1.8
217	59	American Elm	2	39.3	0.2
		Cherry	1	19.7	0.15
		Sweet Gum	2	32.8	0.4
		Tupelo	2	39.3	0.3
		Misc. Frag.	-	39.3	0.5
		Total	7	170.4	1.55
218	1	Beech	1	9.8	0.01
		Hornbeam	2	36.0	0.1
		Oak	2	32.8	0.3
		Tupelo	7	140.8	1.1
		Misc. Frag.	-	6.5	0.1
		Total	12	225.9	1.61
218	2	Oak	1	32.8	0.3
		Tupelo	3	32.8	0.1
		White Oak	1	16.4	0.1
		Total	5	82.0	0.5
218	3	Oak	2	36.0	0.4
		Tupelo	2	49.1	0.4
		White Oak	2	29.5	0.01
		Misc. Frag.	-	72.0	0.6
		Total	6	186.6	1.41
218	4	Persimmon	1	16.4	0.3
		Red Maple	5	68.8	0.5
		Total	6	85.2	0.8
218	5	Tupelo	3	62.2	0.5
		White Oak	1	32.8	0.6
		Misc. Frag.	-	19.7	0.1
		Total	4	114.7	1.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
218	6	Oak	3	78.6	0.5
		Tupelo	5	81.9	0.7
		White Oak	4	52.4	0.6
		Misc. Frag.	-	88.4	0.9
		Total	12	301.3	2.7
218	7	Red Maple	1	6.5	0.01
		Tupelo	3	52.4	0.4
		White Oak	1	16.4	0.3
		Misc. Frag.	-	16.4	0.01
		Total	5	91.7	0.72
218	9	Beech	4	19.7	0.01
		Tupelo	13	229.3	2.8
		White Oak	2	29.5	0.01
		Misc. Frag.	-	88.4	0.3
		Total	19	366.9	3.12
218	10	Tupelo	1	9.8	0.01
		Misc. Frag.	-	59.0	0.5
		Total	1	68.8	0.51
218	11	Dogwood	1	26.2	0.01
		Red Maple	2	26.2	0.1
		Tulip Poplar	7	154.0	1.2
		Misc. Frag.	-	19.7	0.4
		Total	10	226.1	1.71
218	12	Red Maple	5	81.9	0.2
		Tulip Poplar	4	98.3	0.7
		Tupelo	7	104.8	0.5
		Spanish Oak	3	52.4	0.5
		Total	19	337.4	1.9
218	13	Beech	1	6.5	0.01
		Dogwood	3	65.5	0.01
		Tulip Poplar	8	252.2	1.5
		Misc. Frag.	-	16.4	0.01
		Total	12	340.6	1.53
218	14	Beech	3	16.4	0.1
		Dogwood	1	9.8	0.1
		Tupelo	1	19.7	0.2
		White Oak	6	91.7	0.7
		Total	11	137.6	1.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
218	15	Dogwood	2	16.4	0.1
		Sweet Gum	12	232.6	2.2
		Virginia Pine	2	-	0.01
		Total	16	249.0	2.31
218	16	American Elm	1	32.8	0.4
		American Holly	1	6.5	0.01
		Dogwood	1	13.1	0.01
		Oak	2	39.3	0.5
		Hornbeam	8	55.7	0.2
		Red Maple	1	3.3	0.1
		Sweet Gum	2	95.0	1.1
		Misc. Frag.	-	26.2	0.3
		Total	16	271.9	2.62
218	17	Hornbeam	1	3.3	0.01
		Spanish Oak	2	45.9	0.5
		Misc. Frag.	-	13.1	0.05
		Total	3	62.3	0.56
218	18	Sweet Gum	1	29.5	0.1
		Misc. Frag.	-	22.9	0.2
		Total	1	52.4	0.3
218	19	White Oak	1	23.0	0.2
		Misc. Frag.	-	9.8	0.01
		Total	1	32.8	0.21
218	20	Dogwood	1	26.2	0.3
		Oak	1	9.8	0.01
		Tupelo	37	504.6	3.3
		Total	39	540.6	3.61
219	31	Beech	-	-	0.3
		Sweet Gum	-	-	0.01
		Total	-	-	0.31
219	32	Beech	-	-	0.1
		Spanish Oak	-	-	0.1
		Sweet Gum	-	-	0.3
		Tulip Poplar	-	-	0.01
		Misc. Frag.	-	-	0.1
		Total	-	-	0.61

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
219	33	Beech	-	-	0.6
		Oak	-	-	0.2
		Red Maple	-	-	0.01
		Total	-	-	0.81
219	34	Beech	-	-	0.3
		Tulip Poplar	-	-	1.4
		Misc. Frag.	-	-	0.4
		Total	-	-	2.1
219	35	Beech	-	-	0.6
		Tulip Poplar	-	-	0.3
		Misc. Frag.	-	-	0.5
		Total	-	-	1.4
219	36	Beech	-	-	0.4
		Tulip Poplar	-	-	1.4
		Total	-	-	1.8
219	37	Beech	-	-	0.5
		Oak	-	-	0.2
		Tulip Poplar	-	-	0.01
		Misc. Frag.	-	-	0.1
		Total	-	-	0.81
219	38	Beech	-	-	0.1
		Tupelo	-	-	0.1
		Virginia Pine	-	-	0.01
		Misc. Frag.	-	-	0.5
		Total	-	-	0.71
219	39	Beech	-	-	0.1
		Dogwood	-	-	0.4
		Tulip Poplar	-	-	0.7
		Misc. Frag.	-	-	0.5
		Total	-	-	1.7
219	40	Beech	-	-	0.5
		Sweet Gum	-	-	0.3
		Misc. Frag.	-	-	0.1
		Total	-	-	0.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
219	61	Sweet Gum	1	13.1	0.25
		Tulip Poplar	7	111.4	0.5
		Virginia Pine	48	-	0.2
		Total	56	124.5	0.95
219	62	Tulip Poplar	6	157.3	0.5
		Tupelo	1	16.4	0.02
		Virginia Pine	62	-	0.5
		Total	69	173.7	1.02
219	63	Red Maple	2	22.9	0.1
		Tulip Poplar	1	13.1	0.1
		Virginia Pine	105	-	0.85
		Total	108	36.0	1.05
219	64	Hornbeam	4	16.4	0.05
		Tulip Poplar	3	98.3	0.7
		Virginia Pine	164	59.0	1.1
		Misc. Frag.	-	16.4	0.1
		Total	171	190.1	1.95
219	65	Loblolly Pine	6	-	0.13
		Virginia Pine	44	-	0.24
		Misc. Frag.	-	16.4	0.1
		Total	50	16.4	0.47
219	66	Hornbeam	111	786.1	3.8
		Tulip Poplar	8	104.8	0.8
		Total	119	890.9	4.6
219	67	Hornbeam	13	65.5	0.4
		Oak	1	29.5	0.2
		Tulip Poplar	2	16.4	0.3
		Misc. Frag.	-	13.1	0.1
		Total	16	124.5	1.0
219	68	Red Maple	5	45.9	0.25
		Tulip Poplar	1	13.1	0.05
		Virginia Pine	2	3.3	0.15
		Total	8	62.3	0.45
219	69	Sweet Gum	1	39.3	0.35
		Tupelo	1	16.4	0.05
		Virginia Pine	22	-	0.4
		Misc. Frag.	1	9.8	0.05
		Total	25	65.5	0.85

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
219	70	Loblolly Pine	305	-	15.9
		Tulip Poplar	1	22.9	0.1
		Total	306	22.9	16.0
219	78	Red Maple	-	-	0.3
219	80	Red Maple	1	6.5	0.01
220	21	American Elm	39	504.5	3.2
		Persimmon	1	9.8	0.03
		Misc. Frag.	-	62.2	0.8
		Total	40	576.5	4.03
220	22	American Elm	19	193.3	1.4
		Persimmon	15	88.4	0.5
		Misc. Frag.	-	121.2	1.6
		Total	34	402.9	3.5
220	23	American Elm	23	321.1	2.1
		Persimmon	13	32.8	0.3
		Misc. Frag.	-	59.0	0.8
		Total	36	412.9	3.2
220	24	American Elm	46	579.8	5.7
		Misc. Frag.	-	72.1	1.1
		Total	46	651.9	6.8
220	25	American Elm	173	2001.5	17.6
		Misc. Frag.	-	190.0	3.0
		Total	173	2191.5	20.6
220	26	American Elm	2	9.8	0.1
		Misc. Frag.	-	98.2	1.2
		Total	2	108.0	1.3
220	27	American Elm	30	324.3	2.0
		Misc. Frag.	-	36.0	0.4
		Total	30	360.3	2.4
220	28	American Elm	16	111.4	1.2
220	29	American Elm	24	245.7	2.9
		Misc. Frag.	-	45.9	0.8
		Total	24	291.6	3.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
220	30	American Elm	25	386.6	2.9
		Beech	1	9.8	0.05
		Persimmon	3	13.1	0.1
		Misc. Frag.	-	52.4	0.2
		Total	29	461.9	3.25
220	52	Dogwood	2	26.2	0.41
		Sweet Gum	2	13.1	0.2
		Misc. Frag.	-	6.5	0.06
		Total	4	45.8	0.67
220	53	Sweet Gum	3	19.7	0.05
		Misc. Frag.	-	16.4	0.03
		Total	3	36.1	0.08
220	57	Sweet Gum	1	6.5	0.01
		Misc. Frag.	-	-	0.04
		Total	1	6.5	0.05
220	58	Misc. Frag.	-	45.9	0.6
220	59	Red Maple	1	3.3	0.01
		Misc. Frag.	-	26.2	0.15
		Total	1	29.5	0.16
220	60	Tulip Poplar	10	239.2	1.1
225	1	Tupelo	11	203.1	1.4
		Misc. Frag.	-	22.9	0.2
		Total	11	226.0	1.6
225	2	Tupelo	5	65.5	0.3
		White Oak	1	26.2	0.1
		Misc. Frag.	-	6.5	0.01
		Total	6	98.2	0.41
225	3	Tupelo	4	45.9	0.3
		White Oak	3	176.9	1.1
		Misc. Frag.	-	26.2	0.01
		Total	7	249.0	1.41

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
225	4	Red Maple	2	6.6	0.1
		Tupelo	9	160.5	1.0
		Misc. Frag.	-	9.8	0.1
		Total	11	176.9	1.2
225	5	Tupelo	10	235.9	1.7
		White Oak	1	32.8	0.2
		Misc. Frag.	-	19.7	0.01
		Total	11	288.4	1.91
225	6	Spanish Oak	1	49.1	0.6
		Tupelo	8	114.7	0.8
		White Oak	2	52.4	0.6
		Total	11	216.2	2.0
225	7	Beech	1	13.1	0.01
		Oak	3	45.9	0.9
		Red Maple	3	19.7	0.1
		Tupelo	6	117.9	0.9
		White Oak	2	42.6	0.6
		Misc. Frag.	-	13.1	0.1
		Total	15	252.3	2.61
225	8	Tupelo	1	13.1	0.01
		White Oak	1	6.5	0.1
		Total	2	19.6	0.11
225	9	Beech	1	6.5	0.01
		Tupelo	22	396.4	2.6
		Virginia Pine	6	-	0.1
		White Oak	4	32.8	0.3
		Misc. Frag.	-	42.6	0.3
		Total	33	478.3	3.31
225	10	Oak	2	85.2	1.3
		Tupelo	8	108.1	0.7
		White Oak	1	22.9	0.3
		Misc. Frag.	-	6.5	0.3
		Total	11	222.7	2.6
226	11	Tulip Poplar	4	55.7	0.5
		White Oak	1	16.4	0.1
		Misc. Frag.	-	6.5	0.3
		Total	5	78.6	0.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
226	12	Beech	2	29.5	0.1
		Tulip Poplar	5	98.3	0.6
		Tupelo	4	55.7	0.4
		Misc. Frag.	-	9.8	0.1
		Total	11	193.3	1.2
226	13	Beech	1	19.7	0.01
		Dogwood	1	6.5	0.01
		Tulip Poplar	12	311.2	2.5
		Misc. Frag.	-	16.4	0.2
		Total	14	353.8	2.72
226	14	Beech	2	26.2	0.2
		Misc. Frag.	-	9.8	0.1
		Total	2	36.0	0.3
226	15	Dogwood	1	22.9	0.3
		Sweet Gum	6	104.8	0.8
		Misc. Frag.	-	22.9	0.3
		Total	7	150.6	1.4
226	16	Hornbeam	9	39.3	0.4
		Misc. Frag.	-	3.3	0.1
		Total	9	42.6	0.5
226	17	Oak	1	9.8	0.3
		Tulip Poplar	1	19.7	0.4
		Virginia Pine	10	-	0.2
		Misc. Frag.	-	3.3	0.1
		Total	12	32.8	1.0
226	18	Oak	1	26.2	0.7
		Misc. Frag.	-	6.5	0.1
		Total	1	32.7	0.8
226	19	Red Maple	1	39.3	0.5
		Sweet Gum	1	3.3	0.2
		Total	2	42.6	0.7
226	20	Tupelo	23	301.4	2.0
227	31	Beech	7	88.4	0.3
227	32	Beech	5	68.8	0.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
227	33	Beech	5	-	0.1
		Oak	1	6.5	0.1
		Misc. Frag.	-	3.3	0.01
		Total	6	9.8	0.21
227	34	Beech	2	45.9	0.4
		Spanish Oak	2	55.7	0.9
		Tulip Poplar	2	49.1	0.6
		Total	6	150.7	1.9
227	35	Beech	7	144.1	0.8
		Tulip Poplar	4	52.4	0.5
		Tupelo	2	52.4	0.1
		Total	13	248.9	1.4
227	36	Sweet Gum	1	6.5	0.1
		Misc. Frag.	-	6.5	0.1
		Total	1	13.0	0.2
227	37	Beech	2	36.0	0.1
		Oak	1	6.5	0.1
		Total	3	42.5	0.2
227	38	Beech	4	114.7	0.7
		Spanish Oak	1	9.8	0.1
		Tulip Poplar	2	19.7	0.6
		Total	7	144.2	1.4
227	39	Beech	3	62.2	0.6
		Dogwood	1	26.2	0.3
		Tulip Poplar	6	114.7	1.2
		Total	10	203.1	2.1
227	40	Beech	3	75.3	0.5
		Sweet Gum	1	36.0	0.2
		Total	4	111.3	0.7
228	21	American Elm	9	144.1	1.4
		Persimmon	7	45.9	0.2
		Total	16	190.0	1.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
228	22	American Elm	9	26.2	0.7
		Black Cherry	6	45.9	0.3
		Persimmon	12	59.0	0.4
		Total	27	131.1	1.4
228	23	American Elm	1	32.8	0.2
228	24	American Elm	104	648.6	9.9
228	25	American Elm	1	39.3	0.1
		Black Willow	4	59.0	0.3
		Hornbeam	2	52.4	0.1
		Total	7	150.7	0.5
228	26	American Elm	6	150.7	1.1
		Black Cherry	27	255.5	1.5
		Total	33	406.2	2.6
228	27	American Elm	45	321.0	5.1
228	28	American Elm	17	104.8	0.85
228	29	American Elm	13	117.9	0.9
228	30	American Elm	22	222.8	2.4
232	1	Oak	1	39.3	0.5
		Spanish Oak	1	9.8	0.1
		Tupelo	8	157.2	1.4
		Total	10	206.3	2.0
232	2	Spanish Oak	2	59.0	0.6
		Tupelo	6	78.6	0.55
		White Oak	-	3.3	0.04
		Total	8	140.9	1.19
232	3	Tupelo	1	111.4	0.68
232	4	Red Maple	3	59.0	0.22
		Tupelo	13	222.8	1.9
		Total	16	281.8	2.12

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
232	5	Spanish Oak	2	52.4	0.6
		Tupelo	6	117.9	0.9
		White Oak	1	26.2	0.1
		Total	9	196.5	1.6
232	6	Tupelo	13	157.2	1.4
		White Oak	2	55.7	0.6
		Misc. Frag.	-	9.8	-
		Total	15	222.7	2.0
232	7	Dogwood	4	62.2	0.2
		Oak	3	39.3	0.6
		Red Maple	1	32.3	0.1
		Tupelo	1	22.9	0.1
		White Oak	1	9.8	0.1
		Total	10	166.5	1.1
232	9	Tupelo	24	330.8	2.3
		White Oak	2	16.4	0.1
		Total	26	347.2	2.4
232	10	Tupelo	7	173.6	0.8
		White Oak	1	16.4	0.1
		Total	8	190.0	0.9
232	41	Black Cherry	27	197.6	1.01
		Pin Oak	1	19.7	0.05
		Total	28	217.3	1.6
232	42	Pin Oak	1	13.1	0.01
		Sour Cherry	3	39.3	0.05
		Misc. Frag.	-	19.7	0.05
		Total	4	72.1	1.11
232	43	Sour Cherry	8	65.5	0.4
232	44	Sour Cherry	10	52.4	0.3
		Sweet Gum	3	19.7	0.2
		Tupelo	13	226.0	2.3
		Total	26	298.1	2.8
232	45	Sour Cherry	30	203.1	1.8
		Sweet Gum	2	39.6	0.4
		Total	32	242.7	2.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
232	46	Sweet Gum	8	111.1	1.0
		Misc. Frag.	2	26.2	0.01
		Total	10	137.3	1.01
232	47	Black Cherry	12	78.6	0.6
		Sweet Gum	6	78.6	0.9
		Total	18	157.2	1.5
232	48	Tulip Poplar	10	275.2	3.0
		Misc. Frag.	4	32.8	0.1
		Total	14	308.0	3.1
232	49	Sweet Gum	6	111.1	1.0
		Misc. Frag.	6	78.6	0.2
		Total	12	189.7	1.2
232	50	Sour Cherry	5	52.4	0.2
		Sweet Gum	1	26.2	0.2
		Total	6	78.6	0.4
234	11	Tulip Poplar	3	163.8	1.5
		Tupelo	2	32.8	0.2
		Total	5	196.6	1.7
234	12	Beech	1	19.7	0.1
		Black Willow	1	6.5	0.01
		Tulip Poplar	8	216.2	1.4
		Tupelo	7	72.1	0.8
		Spanish Oak	1	19.7	0.2
		Total	18	334.2	2.51
234	13	Beech	3	32.8	0.1
		Tulip Poplar	4	72.1	1.0
		Tupelo	3	39.3	0.2
		Total	10	144.2	1.3
234	14	Beech	1	6.5	0.05
		White Oak	1	13.1	0.1
		Total	2	19.6	0.15
234	15	Hornbeam	2	19.7	0.01
		Red Maple	5	59.0	0.35
		Sweet Gum	5	65.5	0.7
		Total	12	144.2	1.06

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
234	16	American Elm	2	45.9	0.7
		Dogwood	1	6.5	0.01
		Hornbeam	6	45.9	0.3
		Red Maple	2	32.8	0.4
		Spanish Oak	1	26.2	0.2
		Sweet Gum	2	19.7	0.15
		Total	14	177.0	1.76
234	17	Dogwood	1	6.5	0.05
		Spanish Oak	3	72.1	1.2
		Yellow Oak	1	32.8	0.35
		Total	5	111.4	1.60
234	18	Beech	1	13.1	0.1
		Dogwood	1	6.5	0.04
		Spanish Oak	1	6.5	0.1
		Total	3	26.1	0.24
234	19	Beech	1	13.1	0.15
		Dogwood	1	32.8	0.2
		Red Maple	2	314.5	0.05
		White Oak	1	26.2	0.6
		Yellow Oak	1	6.5	0.05
		Total	6	393.1	1.05
234	20	Dogwood	1	26.2	0.1
		Spanish Oak	1	13.1	0.3
		Tupelo	27	262.1	3.6
		Total	29	301.4	4.0
234	31	Beech	3	45.9	0.3
234	32	Beech	2	45.9	0.2
		Dogwood	1	19.7	0.15
		Sweet Gum	3	39.3	0.4
		Total	6	104.9	0.75
234	33	Beech	9	124.5	0.1
		Dogwood	1	32.8	0.05
		Sweet Gum	1	19.7	0.15
		Total	11	177.0	0.3
234	34	Beech	1	32.8	0.2
		Tulip Poplar	2	32.8	0.3
		White Oak	1	32.8	0.45
		Total	4	98.4	0.95

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
234	35	Beech	4	45.9	0.4
		Spanish Oak	1	13.1	0.15
		Tulip Poplar	1	13.1	0.1
		Misc. Frag.	-	26.2	0.2
		Total	6	98.3	0.85
234	36	Sweet Gum	1	13.1	0.15
		Tulip Poplar	4	98.3	1.0
		Total	5	111.4	1.15
234	37	Beech	2	19.7	0.17
234	38	Beech	4	59.0	0.6
234	39	Dogwood	1	13.1	0.1
		Hickory	9	104.8	0.1
		Tulip Poplar	3	39.3	0.5
		Total	13	157.2	0.7
234	40	Beech	1	20.0	1.0
		Oak	1	39.3	0.5
		Spanish Oak	1	32.8	0.4
		Sweet Gum	2	32.8	0.4
		Total	5	124.9	2.3
234	76	Black Willow	5	20.0	0.05
234	79	Black Willow	7	32.8	0.3
235	21	American Elm	43	635.5	3.5
235	22	American Elm	56	550.4	3.9
		Sour Cherry	9	52.4	0.2
		Total	64	602.8	4.1
235	23	American Elm	19	294.8	1.6
235	24	American Elm	191	2044.2	18.2
235	25	American Elm	17	190.0	2.4
		Elm	33	255.5	2.1
		Total	50	445.5	4.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
235	26	American Elm	94	1533.2	8.6
		Black Cherry	78	596.2	6.5
		Total	172	2129.4	15.1
235	27	American Elm	102	1113.8	13.3
235	28	American Elm	62	727.3	5.8
235	29	American Elm	61	681.4	5.8
235	30	American Elm	68	1140.0	8.9
235	55	Persimmon	30	439.0	4.9
		Sour Cherry	2	6.5	0.01
		Total	32	445.5	4.91
235	57	Sweet Gum	4	39.3	0.5
235	58	Sweet Gum	5	26.2	0.6
		Tupelo	6	98.3	0.6
		Total	11	124.5	1.2
235	59	Sour Cherry	1	19.7	0.02
		Sweet Gum	1	32.8	0.4
		Tupelo	3	52.4	0.6
		Misc. Frag.	-	19.7	0.05
		Total	5	124.6	1.07
235	60	American Elm	4	19.7	0.03
		Sweet Gum	8	117.9	1.1
		Tulip Poplar	8	150.7	1.0
		Total	20	288.3	2.13
239	1	Tupelo	30	517.6	5.69
		Virginia Pine	2	-	0.01
		White Oak	1	19.7	0.25
		Total	33	537.3	5.95
239	2	Spanish Oak	2	32.8	0.5
		Tupelo	9	170.4	1.4
		White Oak	3	65.5	0.9
		Total	14	268.7	2.8
239	3	Spanish Oak	2	26.2	0.4

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
239	4	Red Maple	14	517.6	2.8
		Tupelo	8	176.9	1.6
		Total	22	694.5	4.4
239	5	Beech	1	26.2	0.1
		Blackjack Oak	3	85.2	1.49
		Tupelo	22	353.8	2.5
		White Oak	3	78.6	1.15
		Total	29	543.8	5.24
239	6	Tupelo	33	648.6	3.45
		White Oak	8	111.4	1.6
		Total	41	760.0	5.05
239	7	Black Oak	2	52.4	0.5
		Dogwood	2	32.8	0.1
		Red Maple	3	39.3	0.2
		Spanish Oak	4	59.0	0.8
		Tupelo	3	45.9	0.3
		Total	14	229.4	1.9
239	8	Black Oak	1	26.2	0.4
		Red Maple	2	32.8	0.2
		Spanish Oak	1	19.7	0.1
		Total	4	78.7	0.7
239	9	Beech	13	170.4	0.9
		Red Maple	3	39.3	0.2
		Tupelo	27	511.1	2.9
		White Oak	3	39.3	0.6
		Misc. Frag.	7	91.7	0.7
		Total	53	851.8	5.3
239	10	Dogwood	1	32.8	0.1
		Oak	1	26.2	0.5
		Spanish Oak	6	85.2	1.1
		Tupelo	22	511.1	2.77
		Total	30	655.3	4.47
239	41	Cherry	15	203.1	1.0
		Tulip Poplar	1	32.8	0.2
		Tupelo	7	140.9	0.7
		Total	23	376.8	1.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
239	42	American Elm	2	13.1	0.03
		Black Cherry	4	26.2	0.1
		Sweet Gum	56	530.7	4.9
		Tulip Poplar	1	6.5	0.01
		Total	63	576.5	5.04
239	43	Black Cherry	4	32.8	0.3
		Persimmon	2	32.8	0.2
		Sweet Gum	5	39.3	0.45
		Total	11	104.9	0.95
239	44	Black Cherry	30	203.1	1.3
		Persimmon	43	563.5	4.6
		Pin Oak	1	32.8	0.3
		Sweet Gum	11	85.2	1.0
		Total	85	884.6	7.2
239	45	Cherry	77	432.4	2.9
		Sweet Gum	13	163.8	2.1
		Tulip Poplar	15	301.4	2.7
		Total	105	897.6	7.7
239	46	Black Cherry	3	32.8	0.2
		Sweet Gum	35	386.6	3.2
		Tulip Poplar	1	19.7	0.1
		Total	39	439.1	3.5
239	47	Black Cherry	15	170.4	1.0
		Sweet Gum	14	78.6	0.9
		Tulip Poplar	2	26.2	0.1
		Total	31	275.2	2.0
239	48	Persimmon	1	19.7	0.1
		Sweet Gum	2	13.1	0.1
		Tulip Poplar	15	380.0	3.0
		Total	18	412.8	3.2
239	49	Black Cherry	5	32.8	0.4
239	50	Black Cherry	12	52.4	0.35
		Persimmon	1	19.7	0.2
		Pin Oak	1	19.7	0.15
		Sweet Gum	6	59.0	0.5
		Total	20	150.8	1.20

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
240	31	Beech	7	78.6	0.5
		Pine	6	6.5	0.1
		Spanish Oak	2	19.7	0.3
		Tulip Poplar	2	13.1	0.2
		Total	17	117.9	1.1
240	32	Beech	9	111.4	0.6
		Dogwood	1	19.7	0.1
		Sweet Gum	3	65.5	0.8
		Total	13	196.6	1.5
240	33	Beech	9	176.9	1.0
		Dogwood	2	39.3	0.2
		Hornbeam	1	6.5	0.01
		Sweet Gum	1	32.8	0.4
		Total	13	255.5	1.61
240	34	Beech	7	117.9	0.5
		Oak	2	6.5	0.1
		Tulip Poplar	6	196.6	1.3
		Tupelo	1	13.1	0.1
		Total	16	334.1	2.0
240	35	Beech	4	45.9	0.5
		Hornbeam	4	19.7	0.1
		Sweet Gum	2	32.8	0.4
		Tulip Poplar	2	19.7	0.3
		Misc. Frag.	-	19.7	0.3
		Total	12	137.8	1.6
240	36	Tulip Poplar	13	406.2	2.5
		Misc. Frag.	-	45.9	0.6
		Total	13	452.1	3.1
240	37	Beech	6	104.8	0.8
		Dogwood	3	59.0	0.3
		Tulip Poplar	1	6.5	0.04
		Misc. Frag.	-	26.2	0.1
		Total	10	196.5	1.24
240	38	Beech	5	131.0	1.55
		Pine	8	6.6	0.1
		Misc. Frag.	-	32.8	0.3
		Total	13	170.4	1.95

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
240	39	Beech	7	78.6	0.3
		Tulip Poplar	12	307.9	1.6
		Tupelo	1	19.7	0.05
		Total	20	406.2	1.95
240	40	Beech	9	196.6	1.15
		Dogwood	1	19.7	0.1
		Total	10	216.3	1.25
240	72	Black Willow	2	6.5	0.12
240	73	Black Willow	2	6.5	0.05
240	76	Black Willow	5	13.1	0.2
		Misc. Frag.	-	6.5	0.05
		Total	5	19.6	0.25
240	79	Black Willow	18	32.8	0.7
240	80	Oak	-	13.1	0.01
241	11	Beech	2	39.3	0.1
		Red Maple	3	39.3	0.1
		Sweet Gum	5	72.1	0.5
		Tulip Poplar	15	373.5	3.0
		Total	25	524.2	3.7
241	12	Beech	5	98.3	0.2
		Dogwood	1	19.7	0.05
		Red Maple	1	39.3	0.3
		Spanish Oak	1	45.9	0.3
		Tulip Poplar	11	288.3	2.0
		Tupelo	8	144.1	0.8
		White Oak	1	6.5	0.01
		Total	28	642.1	3.66
241	13	Beech	9	180.2	1.06
		Dogwood	3	52.4	0.1
		Oak	1	6.5	0.01
		Red Maple	1	6.5	0.01
		Sweet Gum	3	45.9	0.4
		Sycamore	5	170.3	1.5
		Tulip Poplar	19	432.4	3.4
		Misc. Frag.	-	85.2	1.2
		Total	41	979.4	7.68

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
241	14	American Holly	2	13.1	0.1
		Beech	4	59.0	0.55
		Red Maple	2	26.2	0.2
		White Oak	18	229.3	2.3
		Total	26	327.6	3.15
241	15	Dogwood	4	91.7	0.4
		Hickory	1	59.0	0.2
		Hornbeam	1	19.7	0.01
		Persimmon	1	39.3	0.2
		Sweet Gum	14	150.7	2.25
		White Oak	2	59.0	0.2
		Total	23	419.4	3.26
241	16	Beech	6	59.0	0.75
		Spanish Oak	1	52.4	0.1
		Sweet Gum	5	104.8	1.0
		White Oak	2	52.4	0.25
		Yellow Birch	45	190.0	0.48
		Misc. Frag.	-	39.3	0.01
		Total	59	497.9	2.59
241	17	Beech	1	13.1	0.02
		Black Cherry	1	13.1	0.1
		Blackjack Oak	2	52.4	0.7
		Spanish Oak	7	65.5	0.75
		Sweet Gum	1	6.5	0.08
		Tupelo	2	26.2	0.1
		White Oak	1	13.1	0.1
		Yellow Birch	9	45.9	0.05
		Total	24	235.8	1.9
241	18	Oak	1	32.8	0.3
		Spanish Oak	1	26.2	0.2
		Sweet Gum	1	26.2	0.4
		Total	3	85.2	0.9
241	19	Beech	1	59.0	0.18
		Spanish Oak	1	13.1	0.03
		Sweet Gum	3	59.0	1.0
		Red Maple	5	124.5	0.6
		White Oak	1	26.2	0.15
		Total	11	281.8	1.96

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
241	20	Cherry	1	13.1	0.01
		Oak	1	6.5	0.1
		Spanish Oak	3	26.2	0.4
		Sweet Gum	4	19.7	0.3
		Tupelo	96	1303.8	11.3
		Total	105	1369.3	12.11
242	21	American Elm	56	425.9	5.5
		Black Locust	1	6.5	0.04
		Cherry	1	13.1	0.1
		Total	58	445.5	5.64
242	22	American Elm	41	262.1	3.4
		Black Locust	12	19.7	0.3
		Cherry	4	19.7	0.3
		Total	57	301.5	4.0
242	23	American Elm	63	871.4	7.3
242	24	American Elm	91	923.8	8.6
242	25	American Elm	20	301.4	3.6
242	26	American Elm	43	445.5	4.1
		Cherry	71	366.9	2.9
		Total	114	812.4	7.0
242	27	American Elm	85	1028.7	11.6
242	28	American Elm	73	812.4	8.2
		Black Locust	10	52.4	0.2
		Total	83	864.8	8.4
242	29	American Elm	99	1120.4	10.8
		Black Locust	3	13.1	0.1
		Hickory	1	19.7	0.2
		Total	103	1153.2	11.1
242	30	American Elm	55	1035.2	8.9
		Cherry	2	6.5	0.1
		Misc. Frag.	-	19.7	0.1
		Total	57	1061.4	9.1
242	52	Dogwood	11	124.5	1.05
		Persimmon	20	131.0	1.9
		Sweet Gum	1	13.1	0.2
		Total	32	268.6	3.15

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
242	53	Pine	1	6.5	0.02
		Sassafras	27	452.1	3.3
		Sweet Gum	3	6.5	0.2
		Total	31	465.1	3.52
242	54	Persimmon	4	26.2	0.5
242	55	Persimmon	62	602.8	6.7
242	57	Sweet Gum	4	13.1	0.2
242	58	Persimmon	7	59.0	0.9
		Sweet Gum	3	19.7	0.2
		Tupelo	2	39.3	0.4
		Total	12	118.0	1.5
242	59	American Elm	2	13.1	0.2
		Cherry	4	19.7	0.2
		Persimmon	7	32.8	1.0
		Spanish Oak	1	6.5	0.1
		Sweet Gum	2	19.7	0.2
		Total	16	91.8	1.7
242	60	American Elm	2	19.7	0.2
		Red Maple	8	78.6	0.7
		Sweet Gum	14	117.9	1.4
		Tulip Poplar	35	570.0	5.9
		Total	59	786.2	8.2
246	1	Persimmon	5	117.9	1.35
		Tupelo	11	242.4	2.1
		Misc. Frag.	-	19.7	0.25
		Total	16	380.0	3.7
246	2	Black Oak	1	52.4	0.75
		Tupelo	3	59.0	0.45
		White Oak	3	26.2	0.25
		Misc. Frag.	-	39.3	0.4
		Total	7	176.9	1.85
246	3	Dogwood	1	13.1	0.1
		Spanish Oak	3	32.8	0.65
		Tupelo	19	314.5	2.15
		White Oak	2	6.5	0.2
		Total	25	366.9	3.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
246	4	Black Oak	1	19.7	0.3
		Persimmon	3	39.3	0.4
		Pine	3	3.3	0.1
		Red Maple	3	111.4	0.75
		Tupelo	14	235.9	1.75
		White Oak	4	59.0	0.75
		Misc. Frag.	-	72.1	0.5
		Total	28	540.7	4.55
246	5	Black Oak	1	45.9	0.6
		Persimmon	3	39.3	0.3
		Tupelo	16	288.3	2.0
		White Oak	1	33.8	0.35
		Misc. Frag.	-	65.5	0.5
		Total	21	472.8	3.75
246	6	Black Oak	1	26.2	0.35
		Tupelo	29	563.5	3.15
		White Oak	2	39.3	0.5
		Misc. Frag.	-	85.2	0.85
		Total	32	714.2	4.85
246	7	Dogwood	1	6.5	0.1
		Red Maple	1	19.7	0.2
		Tupelo	4	59.0	0.55
		White Oak	1	19.7	0.3
		Misc. Frag.	-	13.1	0.2
		Total	7	118.0	1.35
246	8	Black Oak	2	33.0	0.47
		Chestnut Oak	1	19.7	0.3
		Pine	3	3.3	0.1
		Red Maple	1	3.3	0.02
		Tupelo	1	6.5	0.1
		Total	8	65.8	0.99
246	9	Beech	5	32.8	0.35
		Red Maple	1	13.1	0.2
		Tupelo	27	465.2	2.8
		White Oak	1	6.5	0.2
		Misc. Frag.	-	65.5	0.7
		Total	34	583.1	4.25

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
246	10	Beech	1	13.1	0.1
		Spanish Oak	1	13.1	0.45
		Tupelo	13	150.7	1.25
		Oak	-	19.7	0.3
		Total	15	196.6	2.10
246	41	Cherry	64	471.7	2.35
		Sweet Cherry	59	897.6	5.7
		Sweet Gum	2	19.7	0.3
		Misc. Frag.	-	39.3	0.5
		Total	125	1428.3	8.85
246	42	Sweet Gum	62	465.2	5.3
		Misc. Frag.	-	19.7	0.25
		Total	62	484.9	5.55
246	43	Cherry	9	59.0	0.4
		Persimmon	1	13.1	0.05
		Red Maple	1	13.1	0.01
		Sweet Gum	9	59.0	0.65
		Total	20	144.2	1.11
246	44	Cherry	25	131.0	0.8
		Persimmon	130	1539.7	11.25
		Sweet Gum	17	183.5	2.2
		Misc. Frag.	-	163.8	1.8
		Total	172	2018.0	16.05
246	45	Cherry	64	307.9	2.25
		Sweet Gum	12	98.3	1.5
		Tulip	21	864.9	6.15
		Misc. Frag.	-	13.1	0.2
		Total	97	1284.2	10.1
246	46	Cherry	4	32.8	0.2
		Persimmon	7	26.2	0.3
		Sweet Gum	61	746.9	6.6
		Total	72	805.9	7.1
246	47	Cherry	14	216.2	2.0
		Sweet Gum	8	144.1	1.8
		Tulip	1	6.5	0.01
		Misc. Frag.	-	26.2	0.5
		Total	23	393.0	4.31

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
246	48	Sweet Gum	4	26.2	0.5
		Tulip	25	524.2	4.8
		Total	29	550.4	5.3
246	49	Cherry	3	6.5	0.01
		Persimmon	3	13.1	0.2
		Sweet Gum	12	98.3	1.6
		Misc. Frag.	-	19.7	0.2
		Total	18	137.6	2.01
246	50	Cherry	41	183.5	1.1
		Sweet Gum	4	39.3	0.4
		Total	45	222.8	1.5
247	31	Beech	12	190.0	1.1
		Spanish Oak	1	26.2	0.4
		Tulip Poplar	2	32.8	0.2
		Misc. Frag.	-	19.7	0.2
		Total	15	268.7	1.9
247	32	Beech	4	52.4	0.2
		Dogwood	1	26.2	0.01
		Sweet Gum	2	19.7	0.1
		Tulip Poplar	1	9.8	0.05
		Misc. Frag.	-	19.7	0.2
		Total	8	127.8	0.56
247	33	Beech	15	176.9	0.85
		Spanish Oak	1	19.7	0.2
		Sweet Gum	1	59.0	0.4
		Tulip Poplar	7	176.9	1.0
		Total	24	432.5	2.45
247	34	Beech	9	163.8	0.8
		Tulip Poplar	9	262.0	0.6
		Tupelo	1	13.1	0.05
		Misc. Frag.	-	45.9	0.8
		Total	19	484.8	2.25
247	35	Beech	6	91.7	0.7
		Hornbeam	2	13.1	0.01
		Sweet Gum	1	13.1	0.1
		Tulip Poplar	11	137.6	0.7
		Misc. Frag.	-	85.2	0.7
		Total	20	340.7	2.21

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
247	36	Beech	1	32.8	0.2
		Sweet Gum	1	19.7	0.2
		Tulip Poplar	14	543.8	3.0
		Total	16	596.3	3.4
247	37	Beech	4	91.7	0.65
		Tulip Poplar	3	144.1	1.25
		Misc. Frag.	-	22.9	0.3
		Total	7	258.7	2.20
247	38	Beech	7	85.2	0.55
		Virginia Pine	2	3.3	0.01
		Misc. Frag.	-	19.7	0.1
		Total	9	108.2	0.66
247	39	Beech	3	52.4	0.25
		Dogwood	4	72.1	0.2
		Tulip Poplar	9	203.1	1.0
		Tupelo	3	45.9	0.1
		Misc. Frag.	-	65.5	0.5
		Total	19	439.0	2.05
247	40	Beech	3	65.5	0.5
		Quercus heterophylla	5	242.4	1.55
		Sweet Gum	5	150.7	1.6
		Tulip Poplar	1	13.1	0.1
		Misc. Frag.	-	39.3	0.3
		Total	14	511.0	4.05
247	72	Black Willow	1	3.3	0.01
247	76	Black Willow	1	3.3	0.01
247	79	Black Willow	16	52.4	0.5
		Red Maple	2	26.2	0.1
		Total	18	78.6	0.6
247	80	Black Oak	1	6.5	0.01
		Misc. Frag.	-	6.5	0.1
		Total	1	13.0	0.11
248	11	Dogwood	2	16.4	0.01
		Red Maple	3	13.1	0.1
		Tulip Poplar	19	458.6	3.65
		Misc. Frag.	-	26.2	0.2
		Total	24	514.3	3.96

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
248	12	Beech	1	6.5	0.01
		Tulip Poplar	15	452.1	2.6
		Tupelo	7	98.3	0.65
		Misc. Frag.	-	59.0	0.4
		Total	23	615.9	3.66
248	13	Beech	3	26.2	0.1
		Pin Oak	1	26.2	0.5
		Red Maple	1	9.8	0.01
		Sweet Gum	3	39.3	0.6
		Sycamore	1	16.4	0.1
		Tulip Poplar	15	301.4	3.2
		Misc. Frag.	-	32.8	0.55
		Total	24	452.1	5.06
248	14	Tupelo	2	13.1	0.1
		White Oak	7	78.6	1.3
		Misc. Frag.	-	32.8	0.25
		Total	9	124.5	1.65
248	15	Dogwood	6	163.8	0.73
		Hornbeam	3	39.3	0.09
		Sweet Gum	7	157.2	1.65
		Virginia Pine	13	6.5	0.15
		Misc. Frag.	-	65.5	0.5
		Total	29	432.3	3.12
248	16	Black Oak	10	596.2	10.6
		Dogwood	5	78.6	0.3
		Hornbeam	45	127.8	0.35
		Sweet Gum	9	235.9	2.55
		White Oak	1	26.2	0.2
		Misc. Frag.	-	39.3	0.2
		Total	70	1104.0	14.2
248	17	Dogwood	2	39.3	0.2
		Hornbeam	25	59.0	0.1
		Spanish Oak	1	32.8	0.55
		Sweet Gum	3	36.0	0.4
		Tupelo	1	19.7	0.1
		Virginia Pine	48	26.2	0.6
		White Oak	2	39.3	0.6
		Misc. Frag.	-	72.1	0.9
		Total	82	324.4	3.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
248	18	Dogwood	3	72.1	0.35
		Spanish Oak	3	52.4	0.55
		Sweet Gum	1	26.2	0.3
		Misc. Frag.	-	59.0	0.55
		Total	7	209.7	1.75
248	19	Dogwood	4	36.0	0.1
		Sweet Gum	4	39.3	0.85
		White Oak	3	32.8	0.3
		Misc. Frag.	-	39.3	0.4
		Total	11	147.4	1.65
248	20	Spanish Oak	3	39.3	0.6
		Sweet Gum	2	19.7	0.2
		Tupelo	63	910.7	6.9
		Misc. Frag.	-	131.0	1.5
		Total	68	1100.7	9.2
248	61	Persimmon	5	42.6	0.47
		Red Maple	2	29.5	0.45
		Misc. Frag.	-	39.3	0.7
		Total	7	111.4	1.62
248	62	Pin Oak	5	52.4	0.65
		Misc. Frag.	-	13.1	0.25
		Total	5	65.5	0.90
248	63	Black Cherry	1	13.1	0.15
248	64	Black Cherry	2	19.7	0.2
		Persimmon	2	26.2	0.4
		Red Maple	2	22.9	0.4
		Sweet Gum	5	85.2	1.1
		Misc. Frag.	-	13.1	0.3
		Total	11	167.1	2.4
248	66	Black Cherry	18	91.7	0.8
		Cherry	-	9.8	0.2
		Persimmon	2	32.8	0.5
		Sweet Cherry	2	19.7	0.25
		Total	22	154.0	1.75

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
248	67	Persimmon	6	85.2	0.75
		Red Maple	3	26.2	0.3
		Misc. Frag.	-	65.5	0.7
		Total	9	176.9	1.75
248	68	Black Cherry	36	196.5	1.1
		Red Maple	8	111.4	0.9
		Misc. Frag.	-	45.9	0.45
		Total	44	353.8	2.45
248	70	American Elm	2	6.5	0.15
		Black Cherry	4	19.7	0.3
		Sweet Gum	5	26.2	0.5
		Total	11	52.4	0.95
249	21	American Elm	27	455.4	3.55
		Black Cherry	1	3.3	0.01
		Total	28	458.7	3.56
249	22	American Elm	13	101.6	0.75
		Black Cherry	9	49.1	0.45
		Misc. Frag.	-	163.8	1.3
		Total	22	314.5	2.50
249	23	American Elm	26	550.4	3.2
		Black Walnut	1	6.5	0.05
		Misc. Frag.	-	163.8	0.85
		Total	27	720.7	4.10
249	24	American Elm	60	671.6	5.8
		Black Cherry	4	26.2	2.45
		Misc. Frag.	-	91.7	1.2
		Total	64	789.5	9.45
249	25	American Elm	6	75.3	0.65
		Black Walnut	13	127.8	1.35
		Misc. Frag.	-	173.6	1.85
		Total	19	376.7	3.85
249	26	American Elm	9	212.9	1.2
		Black Cherry	57	412.8	2.4
		Sweet Gum	2	49.1	0.3
		Tulip Poplar	1	13.1	0.05
		Misc. Frag.	-	72.1	0.5
		Total	69	760.0	4.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
249	27	American Elm	45	550.4	3.3
		Misc. Frag.	-	157.2	0.9
		Total	45	707.6	4.2
249	28	American Elm	19	235.9	1.9
		Misc. Frag.	-	36.0	0.45
		Total	19	271.9	2.35
249	29	American Elm	45	589.7	3.5
		Black Walnut	2	13.1	0.1
		Misc. Frag.	-	167.1	1.25
		Total	47	769.9	4.85
249	30	American Elm	21	491.4	3.35
		Black Walnut	10	111.4	1.0
		Chestnut Oak	1	22.9	0.2
		Misc. Frag.	-	249.0	1.75
		Total	32	874.7	6.3
249	51	Cherry	8	36.0	0.35
249	52	Dogwood	2	29.5	0.2
		Persimmon	49	314.5	2.4
		Misc. Frag.	-	60.0	0.65
		Total	51	404.0	3.25
249	53	Sassafras	12	275.2	1.7
		Sweet Gum	4	16.4	0.15
		Total	16	291.6	1.85
249	54	Sweet Gum	2	6.5	0.01
		Tree of Heaven	1	13.1	0.2
		Total	3	19.6	0.21
249	55	Persimmon	53	763.3	5.0
		Sweet Gum	1	3.3	0.05
		Misc. Frag.	-	117.9	1.4
		Total	54	884.5	6.45
249	57	Sweet Gum	9	26.2	0.35
		Misc. Frag.	-	6.5	0.1
		Total	9	32.7	0.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
249	58	Black Cherry	1	3.3	0.1
		Persimmon	5	36.0	0.3
		Sweet Gum	3	16.4	0.15
		Misc. Frag.	-	19.7	0.15
		Total	9	75.4	0.7
249	59	American Elm	3	22.9	0.3
		Black Cherry	1	3.3	0.01
		Persimmon	11	78.6	0.7
		Misc. Frag.	-	60.0	0.7
		Total	15	164.8	1.71
249	60	American Elm	7	26.2	0.2
		Cherry	1	3.3	0.01
		Red Maple	4	36.0	0.3
		Sassafras	1	29.5	0.4
		Sweet Gum	9	104.8	0.9
		Tulip	33	950.0	5.8
		Misc. Frag.	-	72.1	0.9
		Total	55	1221.9	8.51
253	1	Chestnut Oak	1	32.8	0.55
		Tupelo	14	216.2	2.1
		Misc. Frag.	-	72.1	0.8
		Total	15	321.1	3.45
253	2	Tupelo	8	75.3	0.7
		White Oak	3	42.6	0.55
		Misc. Frag.	-	6.5	0.05
		Total	11	124.4	1.30
253	3	Spanish Oak	2	19.7	0.3
		Tupelo	11	104.8	0.85
		Misc. Frag.	-	29.5	0.2
		Total	13	154.0	1.35
253	4	Pin Oak	1	32.8	0.5
		Red Maple	2	49.1	0.4
		Tupelo	7	111.4	0.9
		White Oak	2	39.3	0.45
		Misc. Frag.	-	45.9	0.5
		Total	12	278.5	2.75

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
253	5	Beech	2	19.7	0.1
		Tupelo	8	88.4	1.0
		Misc. Frag.	-	29.5	0.3
		Total	10	137.6	1.4
253	6	Tupelo	24	347.3	2.8
		White Oak	3	39.3	0.5
		Misc. Frag.	-	45.9	0.5
		Total	27	432.5	3.8
253	7	Black Oak	1	42.6	0.5
		Dogwood	1	26.2	0.2
		Tupelo	12	190.0	1.8
		Misc. Frag.	-	39.3	0.4
		Total	14	298.1	2.9
253	8	Black Oak	2	55.7	0.8
		Tupelo	2	13.1	0.1
		Virginia Pine	14	9.8	0.2
		White Oak	1	13.1	0.2
		Misc. Frag.	-	13.1	0.3
		Total	19	104.8	1.6
253	9	Red Maple	1	26.2	0.05
		Tupelo	21	262.1	2.3
		White Oak	3	45.9	0.45
		Misc. Frag.	-	62.2	0.65
		Total	25	396.4	3.45
253	10	Tupelo	7	78.6	0.55
		Misc. Frag.	-	32.8	0.3
		Total	7	111.4	0.85
253	41	Sour Cherry	74	386.6	2.5
		Sweet Cherry	16	232.6	1.4
		Misc. Frag.	-	52.4	0.35
		Total	90	671.6	4.25
253	42	American Elm	1	3.3	0.01
		Sour Cherry	2	3.3	0.06
		Sweet Cherry	33	183.5	2.7
		Tulip Poplar	1	19.7	0.35
		Misc. Frag.	-	26.2	0.25
		Total	37	236.0	3.37

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
253	43	Persimmon	2	13.1	0.15
		Sour Cherry	22	114.7	0.8
		Sweet Cherry	9	91.7	0.85
		Misc. Frag.	-	65.5	0.7
		Total	33	285.0	2.5
253	44	Persimmon	54	363.6	3.9
		Sour Cherry	30	137.6	1.02
		Sweet Cherry	11	75.3	0.9
		Misc. Frag.	-	111.4	1.4
		Total	95	687.9	7.22
253	45	Black Cherry	84	373.5	3.45
		Sweet Gum	3	32.8	0.6
		Tulip Poplar	2	49.1	0.56
		Misc. Frag.	-	45.9	0.6
		Total	89	501.3	5.21
253	46	Black Cherry	1	13.1	0.2
		Persimmon	9	65.5	0.7
		Sweet Gum	29	307.9	3.6
		Misc. Frag.	-	65.5	0.8
		Total	39	452.0	5.3
253	47	Black Cherry	28	176.9	1.45
		Sweet Gum	11	85.2	1.1
		Misc. Frag.	-	45.9	0.7
		Total	39	308.0	3.25
253	48	Sweet Gum	5	52.4	0.5
		Tulip Poplar	21	622.4	6.6
		Misc. Frag.	-	19.7	0.25
		Total	26	694.5	7.35
253	49	Black Cherry	7	39.3	0.4
		Persimmon	4	36.0	0.3
		Sweet Gum	2	19.7	0.2
		Misc. Frag.	-	59.0	0.8
		Total	13	154.0	1.7
253	50	Sour Cherry	109	298.1	2.5
		Sweet Gum	4	45.9	0.6
		Tulip Poplar	1	9.8	0.1
		Misc. Frag.	-	39.3	0.4
		Total	114	393.1	3.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
254	31	Beech	9	163.8	1.1
		Pin Oak	1	13.1	0.1
		Tulip Poplar	1	26.2	0.15
		Total	11	203.1	1.35
254	32	Beech	5	62.2	0.65
254	33	Beech	5	68.8	0.5
		Spanish Oak	1	9.8	0.15
		Tulip Poplar	1	26.2	0.3
		Misc. Frag.	-	26.2	0.2
		Total	7	131.0	1.15
254	34	Beech	8	108.1	0.8
		Spanish Oak	1	13.1	0.2
		Tulip Poplar	4	91.7	0.8
		Misc. Frag.	-	16.4	0.2
		Total	13	229.3	2.0
254	35	Beech	3	49.1	0.3
		Hornbeam	2	6.5	0.01
		Tulip Poplar	6	62.2	0.4
		Total	11	117.8	0.71
254	36	Beech	2	45.9	0.3
		Tulip Poplar	11	340.7	2.2
		Misc. Frag.	-	85.2	0.8
		Total	13	471.8	3.3
254	37	Beech	3	22.9	0.1
		Oak	-	26.2	0.7
		Spanish Oak	2	39.3	0.6
		Total	5	88.4	1.4
254	38	Virginia Pine	24	6.5	0.3
		Misc. Frag.	-	29.5	0.25
		Total	24	36.0	0.55
254	39	American Elm	1	6.5	0.05
		Dogwood	2	26.2	0.1
		Spanish Oak	1	19.7	0.2
		Tulip Poplar	10	167.1	0.9
		Misc. Frag.	-	6.5	0.01
		Total	14	226.0	1.26

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
254	40	Beech	2	9.8	0.01
		Misc. Frag.	-	36.0	0.3
		Total	2	45.8	0.31
254	79	Black Willow	4	6.5	0.05
255	11	Dogwood	2	62.2	0.25
		Hickory	3	42.6	0.49
		Sweet Gum	1	26.2	0.1
		Tulip Poplar	7	281.7	1.7
		Misc. Frag.	-	32.8	0.35
		Total	13	445.5	2.89
255	12	Beech	1	19.7	0.06
		Dogwood	1	6.5	0.05
		Tulip Poplar	2	91.7	0.5
		Tupelo	6	101.6	0.7
		Misc. Frag.	-	52.4	0.65
		Total	10	271.9	1.96
255	13	Beech	1	13.1	0.05
		Sycamore	-	9.8	0.01
		Tulip Poplar	8	157.2	1.0
		Misc. Frag.	-	13.1	0.2
		Total	9	193.2	1.26
255	14	Beech	4	45.9	0.35
		Tulip Poplar	1	6.5	0.01
		Misc. Frag.	-	49.1	0.4
		Total	5	101.5	0.76
255	15	Dogwood	2	22.9	0.02
		Hornbeam	2	19.7	0.1
		Sweet Gum	3	65.5	0.8
		Total	7	108.1	0.92
255	16	Dogwood	1	9.8	0.06
		Hornbeam	36	104.8	0.45
		Spanish Oak	1	3.3	0.01
		Sweet Gum	2	39.3	0.7
		Misc. Frag.	-	26.2	0.25
		Total	40	183.4	1.47

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
255	17	Dogwood	2	36.0	0.15
		Hornbeam	4	16.4	0.01
		Sweet Gum	2	6.5	0.01
		Virginia Pine	16	9.8	0.25
		Misc. Frag.	-	9.8	0.15
		Total	24	78.5	0.57
255	18	Dogwood	1	9.8	0.01
		Misc. Frag.	-	49.1	0.6
		Total	1	58.9	0.61
255	19	Dogwood	2	29.5	0.05
		Tulip Poplar	1	13.1	0.02
		White Oak	2	32.8	0.3
		Misc. Frag.	-	19.7	0.1
		Total	5	95.1	0.47
255	20	Cherry	1	6.5	0.1
		Dogwood	1	3.3	0.01
		Sweet Gum	4	32.8	0.25
		Tupelo	51	743.6	5.75
		Misc. Frag.	-	65.5	1.0
		Total	57	851.7	7.11
255	61	Persimmon	11	59.0	0.65
		Red Maple	1	6.5	0.05
		Sweet Gum	2	6.5	0.02
		Virginia Pine	4	3.3	0.04
		Misc. Frag.	-	39.3	0.5
		Total	18	114.6	1.26
255	62	Oak	-	49.1	0.5
255	63	Black Cherry	1	6.5	0.01
		Black Walnut	20	68.8	1.3
		Virginia Pine	1	3.3	0.01
		Total	22	78.6	1.32
255	64	Sour Cherry	4	19.7	0.1
		Sweet Gum	3	13.1	0.15
		Virginia Pine	2	3.3	0.01
		Total	9	36.1	0.26

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
255	66	Black Cherry	14	78.6	0.6
		Persimmon	-	32.8	0.25
		Total	14	111.4	0.85
255	67	Persimmon	4	16.4	0.15
		Sweet Gum	1	22.9	0.2
		Total	5	39.3	0.35
255	68	Red Maple	5	55.7	0.3
		Sour Cherry	40	176.9	0.8
		Virginia Pine	2	3.3	0.01
		Misc. Frag.	-	29.5	0.1
		Total	47	265.4	1.21
255	70	American Elm	1	9.8	0.01
		Sour Cherry	3	9.8	0.01
		Sweet Gum	5	59.0	0.75
		Virginia Pine	4	9.8	0.48
		Misc. Frag.	-	13.1	0.25
		Total	13	101.5	1.5
256	21	American Elm	11	91.7	0.9
256	22	American Elm	13	173.6	2.3
		Black Cherry	1	9.8	0.1
		Total	14	183.4	2.4
256	23	American Elm	23	347.3	2.6
256	24	American Elm	24	235.9	2.9
		Black Walnut	4	22.9	0.5
		Misc. Frag.	-	85.2	1.3
		Total	28	344.0	4.7
256	25	American Elm	3	39.3	0.6
		Black Walnut	17	114.7	2.3
		Total	20	154.0	2.9
256	26	American Elm	5	68.8	0.6
		Black Cherry	29	170.3	1.4
		Sweet Gum	1	9.8	0.2
		Misc. Frag.	-	29.5	0.35
		Total	35	278.4	2.55

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
256	27	American Elm	33	317.8	3.15
		Misc. Frag.	-	13.1	0.3
		Total	33	330.9	3.45
256	28	American Elm	15	147.4	1.6
		Black Walnut	2	9.8	0.05
		Total	17	157.2	1.65
256	29	American Elm	25	209.7	1.9
256	30	American Elm	6	68.8	0.9
		Black Walnut	5	19.7	0.3
		Total	11	88.5	1.2
256	51	Black Cherry	1	3.3	0.01
256	52	Dogwood	5	81.9	0.7
		Persimmon	28	193.3	2.55
		Misc. Frag.	-	85.2	1.4
		Total	33	360.4	4.65
256	53	Sassafras	2	29.5	0.3
256	55	Persimmon	52	727.3	6.2
		Sweet Gum	1	3.3	0.1
		Misc. Frag.	-	85.2	1.1
		Total	53	815.8	7.4
256	57	Sweet Gum	4	6.5	0.2
256	58	Sweet Gum	1	3.3	0.01
256	59	American Elm	1	13.1	0.05
		Persimmon	25	219.5	2.0
		Misc. Frag.	-	81.9	0.9
		Total	26	314.5	2.95
256	60	American Elm	1	3.3	0.01
		Sweet Gum	9	91.7	0.75
		Tulip Poplar	12	298.1	2.2
		Misc. Frag.	-	6.5	0.07
		Total	22	399.6	3.03

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
260	1	Tupelo	34	455.4	5.3
		White Oak	1	19.7	0.5
		Misc. Frag.	-	68.8	0.85
		Total	35	543.9	6.65
260	2	Oak	-	13.1	0.2
		Tupelo	13	137.6	1.4
		Total	13	150.7	1.6
260	3	Pin Oak	1	42.6	0.8
		Spanish Oak	4	52.4	1.1
		Tupelo	28	321.0	3.1
		White Oak	4	52.4	0.6
		Total	37	468.4	5.6
260	4	Black Oak	3	121.2	1.6
		Red Maple	1	3.3	0.05
		Tupelo	23	396.4	3.8
		White Oak	2	16.4	0.4
		Misc. Frag.	-	117.9	1.4
		Total	29	655.2	7.25
260	5	Tupelo	19	245.7	2.1
		Misc. Frag.	-	62.2	0.65
		Total	19	307.9	2.75
260	6	Black Oak	2	72.1	1.8
		Tupelo	35	399.7	3.5
		White Oak	10	327.6	4.6
		Misc. Frag.	-	88.4	1.1
		Total	47	887.8	11.0
260	7	Dogwood	5	65.5	0.5
		Black Oak	1	32.8	0.5
		Blackjack Oak	1	16.4	0.3
		Oak	-	45.9	0.1
		Red Maple	1	32.8	0.5
		Tupelo	1	6.5	0.15
		Virginia Pine	1	3.3	0.1
		Total	10	203.2	2.15
260	8	Tupelo	5	59.0	0.6
		Misc. Frag.	-	19.7	0.4
		Total	5	78.7	1.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
260	9	Tupelo	28	376.7	3.3
		White Oak	1	26.2	0.45
		Misc. Frag.	-	55.7	0.8
		Total	29	458.6	4.55
260	10	Tupelo	17	183.4	1.8
		White Oak	1	6.5	0.1
		Misc. Frag.	-	52.4	0.9
		Total	18	242.3	2.8
260	41	Black Cherry	51	278.5	2.4
		Sweet Cherry	27	288.3	2.3
		Misc. Frag.	-	95.0	1.0
		Total	78	661.8	5.7
260	42	Sweet Gum	71	478.2	8.5
260	43	Black Cherry	21	124.5	0.8
		Red Maple	1	3.3	0.01
		Sweet Gum	15	124.5	1.6
		Misc. Frag.	-	22.9	0.2
		Total	37	275.2	2.61
260	44	Black Cherry	28	131.0	0.8
		Black Oak	1	9.8	0.05
		Persimmon	80	658.5	5.6
		Sweet Gum	2	19.7	0.1
		Misc. Frag.	-	275.2	3.6
		Total	111	1094.2	10.15
260	45	Black Cherry	121	737.1	6.3
		Sweet Gum	6	32.8	0.6
		Tulip Poplar	1	45.9	0.5
		Misc. Frag.	-	65.5	1.0
		Total	128	881.3	8.4
260	46	Black Cherry	1	6.5	0.01
		Persimmon	4	29.5	0.45
		Sweet Gum	63	520.9	6.75
		Misc. Frag.	-	42.6	0.7
		Total	68	599.5	7.91

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
260	47	Black Cherry	46	435.7	4.5
		Sweet Gum	19	101.6	1.8
		Tulip Poplar	1	13.1	0.01
		Misc. Frag.	-	95.0	2.0
		Total	66	645.4	8.31
260	48	Sweet Gum	9	65.5	0.75
		Tulip Poplar	14	285.0	3.6
		Total	23	350.5	4.35
260	49	Black Cherry	8	45.9	0.3
		Sweet Gum	10	39.3	0.5
		Misc. Frag.	-	49.1	0.7
		Total	18	134.3	1.5
260	50	Black Cherry	192	658.5	6.0
		Sweet Gum	8	55.7	0.8
		Misc. Frag.	-	22.9	0.2
		Total	202	737.1	7.0
261	31	Beech	2	19.7	0.3
		Misc. Frag.	-	6.5	0.2
		Total	2	26.2	0.5
261	32	Beech	6	55.7	0.75
		Dogwood	1	9.8	0.05
		Sweet Gum	2	22.9	0.4
		Tulip Poplar	1	6.5	0.1
		Misc. Frag.	-	13.1	0.2
		Total	10	108.0	1.5
261	33	Beech	3	32.8	0.2
		Hickory	1	26.2	0.4
		Sweet Gum	1	26.2	0.5
		Tulip Poplar	1	26.2	0.45
		Misc. Frag.	-	22.9	0.4
		Total	6	134.3	1.95
261	34	Beech	7	140.9	0.8
		Tulip Poplar	8	209.7	2.0
		Tupelo	1	19.7	0.2
		Total	16	370.3	3.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
261	35	Beech	3	32.8	0.3
		Hornbeam	3	9.8	0.1
		Tulip Poplar	3	68.8	0.8
		Misc. Frag.	-	9.8	0.1
		Total	9	121.2	1.3
261	36	Beech	2	13.1	0.05
		Tulip Poplar	10	180.2	1.65
		Misc. Frag.	-	39.3	0.3
		Total	12	232.6	2.00
261	37	Sweet Gum	1	16.4	0.2
		Tulip Poplar	2	72.1	0.5
		Misc. Frag.	-	19.7	0.1
		Total	3	108.2	0.8
261	38	Beech	3	59.0	0.6
261	39	Dogwood	4	32.8	0.25
		Tulip Poplar	3	26.2	0.3
		Misc. Frag.	-	32.8	0.4
		Total	7	91.8	0.95
261	40	Beech	2	13.1	0.1
		Sweet Gum	3	19.7	0.35
		Misc. Frag.	-	6.5	0.15
		Total	5	39.3	0.60
261	74	Red Maple	1	6.5	0.1
261	76	Black Willow	3	3.3	0.15
261	77	Black Cherry	1	6.5	0.01
		Red Maple	1	19.7	0.3
		Total	2	26.2	0.31
262	11	Dogwood	1	13.1	0.1
		Red Maple	1	9.8	0.1
		Sweet Gum	2	3.3	0.05
		Tulip Poplar	10	311.2	3.1
		Misc. Frag.	-	32.8	0.4
		Total	14	370.2	3.75

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
262	12	Dogwood	2	13.1	0.05
		Sweet Gum	1	6.5	0.05
		Tulip Poplar	2	88.4	0.7
		Tupelo	12	111.4	1.2
		Misc. Frag.	-	22.9	0.3
		Total	17	242.3	2.3
262	13	Dogwood	2	13.1	0.1
		Tulip Poplar	7	124.5	1.5
		Total	9	137.6	1.6
262	14	Dogwood	1	13.1	0.09
		Tulip Poplar	2	52.4	0.7
		White Oak	4	55.7	0.8
		Misc. Frag.	-	29.5	0.6
		Total	7	150.7	2.19
262	15	Dogwood	4	68.8	0.7
		Hornbeam	6	29.5	0.2
		Red Maple	3	36.0	0.4
		Sweet Gum	25	327.6	4.0
		Virginia Pine	8	3.3	0.1
		Misc. Frag.	-	36.0	0.6
		Total	46	501.2	6.0
262	16	Dogwood	9	144.1	0.9
		Hornbeam	22	81.9	0.4
		Sweet Gum	4	68.8	1.5
		White Oak	4	45.9	0.75
		Misc. Frag.	-	72.1	0.75
		Total	39	412.8	4.3
262	17	Black Oak	7	239.1	3.4
		Dogwood	11	124.5	0.8
		Hornbeam	21	52.4	0.25
		Sweet Gum	2	22.9	0.4
		Tupelo	3	36.0	0.3
		White Oak	2	26.2	0.65
		Misc. Frag.	-	29.5	0.6
		Total	46	530.6	6.4
262	18	Dogwood	62	1035.2	9.1
		Spanish Oak	3	42.6	0.75
		Sweet Gum	6	91.7	1.5
		Total	71	1169.5	11.35

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
262	19	Dogwood	9	104.8	0.9
		Spanish Oak	1	13.1	0.35
		Tulip Poplar	1	9.8	0.2
		Misc. Frag.	-	32.8	0.5
		Total	11	160.5	1.95
262	20	Dogwood	1	13.1	0.01
		Spanish Oak	2	13.1	0.3
		Sweet Gum	2	13.1	0.2
		Tupelo	68	697.8	8.9
		Misc.	-	42.6	0.75
		Total	73	779.7	10.16
262	61	Persimmon	22	144.1	2.2
		Misc. Frag.	-	180.2	2.8
		Total	22	324.3	5.0
262	62	Black Oak	8	111.4	1.3
		Pin Oak	12	111.4	1.5
		Red Maple	1	22.9	0.2
		Misc. Frag.	-	85.2	1.1
		Total	21	330.9	4.1
262	63	Black Cherry	9	65.5	0.6
		Black Walnut	18	65.5	1.65
		Total	27	131.0	2.25
262	64	Black Cherry	3	42.6	0.5
		Sweet Gum	22	239.1	2.8
		Total	25	281.7	3.3
262	66	Black Cherry	16	88.4	1.0
		Misc. Frag.	-	19.7	0.4
		Total	16	108.1	1.4
262	67	American Elm	1	9.8	0.1
		Persimmon	13	59.0	0.9
		Red Maple	15	219.5	2.0
		Misc. Frag.	-	127.8	2.75
		Total	29	416.1	5.75

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
262	68	Black Cherry	18	95.0	0.65
		Black Oak	2	52.4	0.45
		Spanish Oak	1	9.8	0.05
		Misc. Frag.	-	29.5	0.3
		Total	21	186.7	1.45
262	69	Black Cherry	5	39.3	0.6
262	70	Black Cherry	5	19.7	0.2
		Sweet Gum	2	16.4	0.2
		Misc. Frag.	-	6.5	0.05
		Total	7	42.6	0.45
263	21	American Elm	19	206.4	2.85
263	22	American Elm	51	560.2	6.9
		Black Cherry	16	65.5	0.7
		Total	67	625.7	7.6
263	23	American Elm	49	583.1	4.9
		Misc. Frag.	-	124.5	1.2
		Total	49	707.6	6.1
263	24	American Elm	64	507.8	6.9
		Black Walnut	43	222.8	4.35
		Misc. Frag.	-	111.4	2.4
		Total	107	842.0	13.65
263	25	American Elm	10	124.5	1.8
		Black Walnut	25	134.3	3.7
		Misc. Frag.	-	39.3	0.9
		Total	35	298.1	6.4
263	26	American Elm	8	81.9	1.1
		Black Cherry	38	265.4	2.45
		Misc. Frag.	-	39.3	0.6
		Total	46	386.6	4.15
263	27	American Elm	74	688.0	9.2
263	28	American Elm	22	209.7	2.4
		Black Walnut	3	6.5	0.25
		Total	25	216.2	2.65

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
263	29	American Elm	158	1382.5	15.8
		Black Walnut	2	6.5	0.2
		Total	160	1389.0	16.0
263	30	American Elm	32	406.2	5.1
		Black Walnut	1	6.5	0.2
		Total	33	412.7	5.3
263	52	Dogwood	44	399.7	5.1
		Persimmon	53	344.0	6.3
		Misc. Frag.	-	160.5	3.45
		Total	97	904.2	14.85
263	53	Persimmon	105	940.2	3.7
263	54	Tree of Heaven	1	16.4	0.3
263	57	Sweet Gum	9	26.2	0.5
263	58	Black Cherry	2	9.8	0.1
		Persimmon	11	127.8	1.9
		Sweet Gum	5	13.1	0.3
		Total	18	150.7	2.3
263	59	American Elm	15	75.3	1.3
		Black Cherry	2	6.5	0.1
		Persimmon	32	180.2	2.6
		Sweet Gum	1	9.8	0.1
		Misc. Frag.	-	59.0	1.0
		Total	50	330.8	5.1
263	60	American Elm	4	13.1	0.25
		Sassafras	2	32.8	0.5
		Sweet Gum	37	304.7	3.68
		Tulip Poplar	25	507.8	5.8
		Total	68	858.4	10.23
267	1	Black Oak	2	65.5	1.0
		Chestnut Oak	1	19.7	0.55
		Tupelo	16	216.2	2.9
		White Oak	2	22.9	0.5
		Misc. Frag.	-	55.7	1.15
		Total	21	380.0	6.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
267	2	Spanish Oak	2	19.7	0.45
		Tupelo	10	111.4	1.35
		White Oak	2	19.7	0.45
		Misc. Frag.	-	176.9	4.4
		Total	14	327.7	6.65
267	3	Dogwood	3	26.2	0.2
		Spanish Oak	6	85.2	1.7
		Tupelo	44	380.0	4.4
		White Oak	4	42.6	0.75
		Total	57	534.0	7.05
267	4	Black Oak	3	147.4	2.6
		Tupelo	26	406.2	4.0
		White Oak	1	13.1	0.2
		Misc. Frag.	-	62.2	0.9
		Total	30	628.9	7.7
267	5	Beech	2	29.5	0.3
		Black Oak	2	52.4	1.0
		Pin Oak	1	39.3	1.1
		Sweet Gum	2	13.1	0.2
		Tupelo	18	163.8	1.7
		White Oak	1	16.4	0.4
		Misc. Frag.	-	91.7	1.5
		Total	26	406.2	6.2
267	6	Beech	1	9.8	0.05
		Black Oak	1	49.1	0.7
		Sweet Gum	1	6.5	0.1
		Tupelo	36	389.8	4.1
		White Oak	2	9.8	0.2
		Misc. Frag.	-	81.9	1.55
		Total	41	546.9	6.7
267	7	Black Oak	3	124.5	2.1
		Dogwood	9	111.4	0.85
		Tupelo	5	42.6	0.7
		White Oak	1	13.1	0.4
		Misc. Frag.	-	75.3	1.5
		Total	18	366.9	5.55
267	8	Black Oak	4	68.8	1.1
		Tupelo	6	85.2	1.0
		Virginia Pine	23	6.5	0.5
		Total	33	160.5	2.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
267	9	Beech	1	13.1	0.1
		Red Maple	3	26.2	0.45
		Tupelo	29	366.9	3.45
		White Oak	2	13.1	0.3
		Misc. Frag.	-	42.6	0.6
		Total	35	461.9	4.9
267	10	Chestnut Oak	1	6.5	0.2
		Tupelo	25	307.9	2.75
		White Oak	1	13.1	0.2
		Misc. Frag.	-	52.4	0.8
		Total	27	379.9	3.95
267	41	Black Cherry	61	294.8	3.0
		Persimmon	10	32.8	0.75
		Sweet Cherry	37	458.6	4.2
		Sweet Gum	2	6.5	0.2
		Misc. Frag.	-	170.3	2.4
		Total	110	963.0	10.55
267	42	Black Cherry	2	6.5	0.2
		Sweet Gum	95	586.4	10.65
		Total	97	592.9	10.85
267	43	Black Cherry	14	65.5	0.9
		Persimmon	7	52.4	0.9
		Sweet Gum	10	52.4	0.9
		Misc. Frag.	-	36.0	0.9
		Total	31	206.3	3.6
267	44	Black Cherry	39	144.1	1.6
		Black Oak	2	19.7	0.35
		Persimmon	126	927.1	17.0
		Sweet Gum	21	134.3	2.8
		Tulip Poplar	1	13.1	0.1
		Misc. Frag.	-	226.0	4.65
		Total	189	1464.3	26.5
267	45	Black Cherry	148	825.5	8.8
		Black Oak	2	22.9	0.5
		Sweet Gum	15	88.4	1.8
		Tulip Poplar	4	42.6	0.7
		Misc. Frag.	-	95.0	1.9
		Total	169	1074.4	13.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
267	46	Black Cherry	2	9.8	0.1
		Persimmon	25	160.5	2.8
		Sweet Gum	60	386.6	7.4
		Tulip Poplar	1	55.7	0.7
		Misc. Frag.	-	160.5	3.55
		Total	88	773.1	14.55
267	47	Black Cherry	105	783.0	8.5
		Sweet Gum	41	275.2	5.65
		Tulip Poplar	3	22.9	0.3
		Misc. Frag.	-	111.4	2.7
		Total	149	1192.5	17.15
267	48	Persimmon	2	16.4	0.35
		Sweet Gum	13	117.9	1.7
		Tulip Poplar	17	242.4	3.35
		Misc. Frag.	-	19.7	0.4
		Total	32	369.4	5.8
267	49	Black Cherry	29	131.0	1.55
		Persimmon	2	19.7	0.3
		Sweet Gum	22	101.6	2.23
		Misc. Frag.	-	78.6	2.15
		Total	53	330.9	6.23
267	50	Black Cherry	374	1294.0	14.5
		Persimmon	6	52.4	0.9
		Sweet Gum	22	140.9	3.3
		Total	402	1487.3	18.7
268	31	Beech	13	154.0	1.2
		Spanish Oak	1	9.8	0.15
		Sweet Gum	2	29.5	0.5
		Tulip Poplar	2	13.1	0.1
		Misc. Frag.	-	42.6	0.75
		Total	18	249.0	2.7
268	32	Beech	9	114.7	1.55
		Dogwood	3	36.0	0.35
		Spanish Oak	3	22.9	0.55
		Sweet Gum	3	16.4	0.3
		Tulip Poplar	2	55.7	0.45
		White Oak	1	36.0	0.75
		Misc. Frag.	-	16	0.25
		Total	21	298.1	4.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number Of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
268	33	Beech	7	88.4	0.6
		Dogwood	1	6.5	0.05
		Hickory	1	26.2	0.45
		Tulip Poplar	2	42.6	0.35
		Misc. Frag.	-	32.8	0.7
		Total	11	196.5	2.15
268	34	Beech	2	13.1	0.1
		Dogwood	1	9.8	0.05
		Spanish Oak	2	39.3	0.75
		Tulip Poplar	1	9.8	0.1
		Misc. Frag.	-	72.1	1.0
		Total	6	144.1	2.0
268	35	Beech	6	78.6	0.8
		Hornbeam	7	22.9	0.06
		Sweet Gum	3	45.9	0.9
		Tulip Poplar	3	9.8	0.2
		Misc. Frag.	-	42.6	0.7
		Total	19	199.8	2.66
268	36	Beech	5	72.1	0.45
		Tulip Poplar	13	186.7	2.55
		Tupelo	1	9.8	0.1
		Misc. Frag.	-	36.0	1.0
		Total	19	304.6	4.1
268	37	Beech	12	131.0	1.2
		Spanish Oak	3	26.2	0.45
		Sweet Gum	4	95.0	1.2
		Total	19	252.2	2.85
268	38	Beech	8	85.2	0.8
		White Oak	5	68.8	1.3
		Misc. Frag.	-	13.1	0.3
		Total	13	167.1	2.4
268	39	Beech	2	39.3	0.4
		Dogwood	1	9.8	0.05
		Tulip Poplar	4	55.7	0.55
		Tupelo	6	75.3	0.65
		Misc. Frag.	-	22.9	0.4
		Total	13	203.0	2.05

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
268	40	Beech	4	42.6	0.45
		Sweet Gum	4	49.1	0.8
		Tupelo	4	42.6	0.7
		Total	12	134.3	1.95
268	73	Black Willow	-	3.3	0.01
268	74	Misc. Frag.	-	6.5	0.1
268	76	Black Willow	-	3.3	0.1
268	77	Spanish Oak	1	13.1	0.3
268	79	Black Willow	8	6.5	0.25
268	80	Black Oak	2	9.8	0.2
269	11	Dogwood	3	42.6	0.2
		Red Maple	2	19.7	0.2
		Sweet Gum	2	9.8	0.2
		Tulip Poplar	15	311.2	3.8
		Misc. Frag.	-	26.2	0.65
		Total	22	409.5	5.05
269	12	Loblolly Pine	3	6.5	0.1
		Spanish Oak	4	42.6	1.0
		Sweet Gum	7	95.0	1.85
		Tupelo	43	317.8	4.5
		Virginia Pine	3	3.3	0.1
		Misc. Frag.	-	49.1	1.0
		Total	60	514.3	8.55
269	13	Beech	5	32.8	0.25
		Dogwood	9	104.8	0.8
		Sweet Gum	1	22.9	0.3
		Tulip Poplar	4	147.4	1.9
		Misc. Frag.	-	16.4	0.4
		Total	19	324.3	3.65
269	14	Beech	3	29.5	0.5
		Spanish Oak	1	9.8	0.2
		Tulip Poplar	2	29.5	0.2
		White Oak	5	45.9	0.6
		Misc. Frag.	-	9.8	0.3
		Total	11	124.5	1.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
269	15	Beech	5	59.0	0.7
		Dogwood	4	52.4	0.6
		Sweet Gum	14	163.8	2.75
		Misc. Frag.	-	42.6	0.65
		Total	23	317.8	4.7
269	16	Beech	5	65.5	0.6
		Black Oak	1	32.8	0.4
		Black Walnut	5	16.4	0.4
		Dogwood	7	52.4	0.4
		Hornbeam	33	59.0	0.5
		Spanish Oak	2	39.3	0.85
		Sweet Gum	5	39.3	0.6
		Virginia Pine	14	3.3	0.25
		Misc. Frag.	-	26.2	1.2
		Total	72	334.2	5.2
269	17	Dogwood	6	52.4	0.5
		Hornbeam	21	45.9	0.4
		Spanish Oak	14	232.6	4.85
		Sweet Gum	2	13.1	0.2
		Tupelo	2	9.8	0.2
		White Oak	8	98.3	1.5
		Misc. Frag.	-	59.0	1.7
		Total	53	511.1	9.35
269	18	Dogwood	23	307.9	2.8
		Spanish Oak	10	111.4	2.4
		Sweet Gum	3	45.9	0.75
		Misc. Frag.	-	29.5	0.65
		Total	36	494.7	6.6
269	19	Dogwood	13	183.5	2.4
		Spanish Oak	1	13.1	0.3
		Sweet Gum	5	59.0	0.85
		Tupelo	1	9.8	0.15
		Total	20	265.4	3.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
269	20	Beech	2	13.1	0.15
		Black Oak	1	19.7	0.6
		Dogwood	5	72.1	0.5
		Spanish Oak	1	6.5	0.1
		Tulip Poplar	2	52.4	0.5
		Tupelo	6	88.4	1.55
		White Oak	2	22.9	0.5
		Misc. Frag.	-	32.8	1.1
		Total	19	307.9	5.0
269	61	Persimmon	23	137.6	2.85
		Red Maple	1	13.1	0.2
		Sweet Gum	2	19.7	0.4
		Misc. Frag.	-	65.5	1.4
		Total	26	235.9	4.85
269	62	Black Oak	13	108.1	2.0
		Oak	-	59.0	1.0
		Pin Oak	5	49.1	0.85
		Sycamore	1	62.2	1.0
		Total	19	278.4	4.85
269	63	Black Cherry	8	32.8	0.5
		Black Walnut	10	19.7	0.7
		Total	18	52.5	1.2
269	64	Black Cherry	4	9.8	0.2
		Red Maple	1	13.1	0.2
		Sweet Gum	10	101.6	1.9
		Misc. Frag.	-	22.9	0.57
		Total	15	147.4	2.87
269	66	Black Cherry	25	124.5	1.7
		Persimmon	6	42.6	0.8
		Total	31	167.1	2.5
269	67	American Elm	7	91.7	2.0
		Black Oak	2	45.9	0.7
		Persimmon	18	117.9	2.5
		Pin Oak	2	26.2	0.4
		Red Maple	8	91.7	1.0
		Sweet Gum	2	6.5	0.3
		Misc. Frag.	-	29.5	0.7
		Total	39	409.4	7.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
269	68	Black Cherry	41	150.7	1.3
		Black Oak	3	13.1	0.3
		Red Maple	24	252.2	3.8
		Total	68	416.0	5.4
269	69	Black Cherry	4	29.5	0.65
269	70	American Elm	2	3.3	0.2
		Black Cherry	11	42.6	0.6
		Persimmon	1	6.5	0.15
		Sweet Gum	15	85.2	2.2
		Total	29	137.6	3.15
270	21	American Elm	60	409.5	6.8
		Misc. Frag.	-	32.8	1.0
		Total	60	442.3	7.8
270	22	American Elm	35	163.8	3.55
		Black Cherry	5	32.8	0.4
		Misc. Frag.	-	68.8	1.4
		Total	40	265.4	5.35
270	23	American Elm	41	553.6	5.05
270	24	American Elm	70	583.1	8.65
		Black Walnut	32	163.8	7.6
		Total	102	746.9	16.25
270	25	American Elm	7	68.8	1.3
		Black Walnut	62	294.8	4.6
		Total	69	363.6	5.9
270	26	American Elm	14	167.1	2.7
		Black Cherry	36	216.2	2.4
		Sweet Gum	2	6.5	0.05
		Tulip Poplar	1	6.5	0.05
		Total	53	396.3	5.2
270	27	American Elm	60	527.4	8.2
270	28	American Elm	34	262.1	3.35
270	29	American Elm	76	615.9	8.35

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
270	30	American Elm	51	412.8	5.9
		Black Walnut	10	45.9	1.3
		Total	61	458.7	7.2
270	51	Black Cherry	2	3.3	0.1
		Sweet Gum	1	6.5	0.15
		Total	3	9.8	0.25
270	52	Dogwood	19	104.8	2.1
		Persimmon	56	366.9	7.1
		Sassafras	4	45.9	0.6
		Misc. Frag.	-	72.1	1.9
		Total	79	589.7	11.7
270	53	Sassafras	17	288.3	2.6
270	54	Sweet Gum	1	3.3	0.05
		Tree of Heaven	9	72.1	2.1
		Total	10	75.4	2.15
270	55	Persimmon	69	861.6	10.5
		Sweet Gum	1	3.3	0.01
		Total	70	864.9	0.51
270	56	Persimmon	1	3.3	0.15
270	57	Sweet Gum	-	26.2	0.7
270	58	Black Cherry	9	49.1	0.8
		Persimmon	5	58.7	1.4
		Sweet Gum	8	108.1	1.0
		Misc. Frag.	-	36.0	0.65
		Total	22	251.9	3.85
270	59	American Elm	1	13.1	0.35
		Black Cherry	10	39.3	0.5
		Persimmon	31	203.1	2.6
		Spanish Oak	1	13.1	0.2
		Misc. Frag.	-	32.8	0.85
		Total	43	301.4	4.5
270	60	American Elm	5	36.0	0.5
		Sweet Gum	13	117.9	1.55
		Tulip Poplar	8	183.5	2.0
		Misc. Frag.	-	29.5	0.55
		Total	26	366.9	4.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
274	1	Black Oak	1	26.2	0.5
		Tupelo	31	419.3	5.3
		White Oak	4	45.9	0.9
		Misc. Frag.	-	26.2	0.4
		Total	36	517.6	7.1
274	2	Spanish Oak	1	13.1	0.7
		Tupelo	10	108.1	1.5
		White Oak	9	68.8	1.2
		Misc. Frag.	-	52.4	0.75
		Total	20	242.4	4.15
274	3	Black Oak	1	16.4	0.2
		Dogwood	4	52.4	0.65
		Spanish Oak	1	16.4	0.7
		Tupelo	40	442.3	4.6
		White Oak	3	49.1	0.6
		Misc. Frag.	-	52.4	0.8
		Total	49	629.0	7.55
274	4	Beech	2	13.1	0.1
		Black Oak	2	32.8	0.5
		Tupelo	28	393.1	4.1
		White Oak	3	19.7	0.4
		Total	35	458.7	5.1
274	5	Black Oak	8	101.6	1.8
		Red Maple	1	3.3	0.1
		Tupelo	21	206.4	3.1
		White Oak	1	6.5	0.1
		Misc. Frag.	-	29.5	0.7
		Total	31	347.3	5.8
274	6	Beech	1	3.3	0.02
		Red Maple	1	9.8	0.6
		Sweet Gum	1	26.2	0.3
		Tupelo	50	514.3	6.3
		White Oak	1	62.2	0.9
		Misc. Frag.	-	45.9	0.9
		Total	54	661.7	9.02

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
274	7	Dogwood	13	131.0	1.2
		Oak	-	19.7	0.5
		Spanish Oak	4	108.1	1.5
		Tupelo	1	3.3	0.15
		White Oak	4	52.4	-
		Total	22	314.5	3.35
274	8	Red Maple	1	26.2	0.3
		Tupelo	7	65.5	1.0
		Virginia Pine	6	3.3	0.2
		White Oak	3	26.2	0.5
		Total	17	121.2	2.0
274	9	Beech	1	13.1	0.1
		Chestnut Oak	2	39.3	0.65
		Tupelo	30	255.5	3.4
		Virginia Pine	7	3.3	0.1
		White Oak	3	32.8	1.2
		Misc. Frag.	-	65.5	1.1
		Total	43	409.5	6.55
274	10	Black Oak	4	131.0	2.3
		Chestnut Oak	1	16.4	0.3
		Spanish Oak	2	26.2	0.5
		Tupelo	21	183.6	2.6
		Misc. Frag.	-	26.2	0.6
		Total	28	383.4	6.3
274	41	Black Cherry	30	170.3	2.3
		Choke Cherry	12	78.6	0.8
		Persimmon	3	22.9	0.55
		Sweet Cherry	42	399.7	4.7
		Sweet Gum	5	26.2	0.6
		Tulip Poplar	1	19.7	0.15
		Misc. Frag.	-	29.5	0.55
		Total	93	746.9	9.65
274	42	Black Cherry	5	13.1	0.2
		Sweet Gum	83	330.9	8.7
		Total	88	344.0	8.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
274	43	Black Cherry	25	91.7	1.1
		Persimmon	6	75.3	1.45
		Red Maple	1	6.5	0.05
		Sweet Gum	5	22.9	0.5
		Misc. Frag.	-	52.4	1.0
		Total	37	248.8	4.1
274	44	Black Cherry	16	78.6	0.7
		Persimmon	175	1238.3	25.9
		Sweet Gum	11	65.5	2.2
		Total	202	1382.4	28.8
274	45	Black Cherry	149	936.9	10.7
		Pin Oak	1	13.1	0.25
		Sweet Gum	14	72.1	1.85
		Tulip Poplar	2	45.9	0.7
		Misc. Frag.	-	16.4	0.2
		Total	166	1084.4	13.7
274	46	Persimmon	37	196.7	3.6
		Sweet Gum	55	393.1	8.3
		Misc. Frag.	-	101.6	2.05
		Total	92	691.4	13.95
274	47	Black Cherry	105	838.7	10.0
		Sweet Gum	22	121.2	3.1
		Tulip Poplar	1	6.5	0.05
		Misc. Frag.	-	55.7	1.15
		Total	128	1022.1	14.3
274	48	Black Cherry	3	13.1	0.4
		Persimmon	7	78.6	1.15
		Sweet Gum	13	104.8	2.0
		Tulip Poplar	38	537.3	7.5
		Misc. Frag.	-	36.0	0.8
		Total	61	769.8	11.85
274	49	Black Cherry	27	108.1	1.3
		Persimmon	8	52.4	0.85
		Sweet Gum	14	95.0	2.5
		Misc. Frag.	-	68.8	1.8
		Total	49	324.3	6.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
274	50	Black Cherry	187	596.2	7.65
		Sweet Gum	15	91.7	1.9
		Tulip Poplar	1	16.4	0.2
		Total	203	704.3	9.75
275	31	Beech	14	140.9	1.5
		Spanish Oak	1	6.5	0.1
		Sweet Gum	11	176.9	3.7
		Tulip Poplar	2	39.3	0.3
		Virginia Pine	15	9.8	0.3
		Misc. Frag.	-	59.0	1.0
		Total	43	432.4	6.9
275	32	Beech	13	163.8	1.3
		Dogwood	3	42.6	0.3
		Spanish Oak	2	26.2	0.35
		Sweet Gum	4	39.3	0.9
		Tulip Poplar	4	124.5	1.9
		White Oak	1	19.7	0.5
		Misc. Frag.	-	26.2	0.4
		Total	27	442.3	5.65
275	33	Beech	8	49.1	0.4
		Spanish Oak	2	32.8	0.7
		Tulip Poplar	1	26.2	0.4
		Misc. Frag.	-	78.6	1.1
		Total	11	186.7	2.6
275	34	Beech	15	183.4	1.5
		Dogwood	1	9.8	0.01
		Tulip Poplar	6	65.5	0.8
		Tupelo	3	36.0	0.45
		Misc. Frag.	-	39.3	0.7
		Total	25	334.0	3.46
275	35	Beech	16	176.9	1.5
		Hornbeam	5	9.8	0.1
		Tulip Poplar	2	39.3	0.45
		Virginia Pine	5	3.3	0.1
		Misc. Frag.	-	45.9	0.8
		Total	28	275.2	2.95

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
275	36	Beech	7	101.6	1.0
		Chestnut Oak	1	22.9	0.4
		Spanish Oak	3	42.6	1.1
		Sweet Gum	3	32.8	0.65
		Tulip Poplar	23	514.3	5.6
		Misc. Frag.	-	42.6	0.7
		Total	37	756.8	9.45
275	37	Beech	14	111.4	0.9
		Spanish Oak	9	124.5	2.1
		Sweet Gum	1	6.5	0.1
		Tulip Poplar	2	22.9	0.45
		Misc. Frag.	-	39.3	0.7
		Total	26	304.6	4.25
275	38	Beech	12	111.4	1.3
		Virginia Pine	9	3.3	0.15
		Misc. Frag.	-	26.2	0.9
		Total	21	140.9	2.35
275	39	Beech	6	45.9	0.45
		Black Oak	7	442.3	8.7
		Dogwood	5	52.4	0.45
		Spanish Oak	4	85.2	1.6
		Tulip Poplar	5	88.4	0.8
		Tupelo	8	114.7	1.1
		Misc. Frag.	-	42.6	0.75
		Total	35	871.5	13.85
275	40	Beech	19	249.0	2.2
		Hickory	2	45.9	0.85
		Spanish Oak	1	13.1	0.1
		Sweet Gum	1	22.9	0.5
		Tulip Poplar	1	13.1	0.2
		Tupelo	6	68.8	1.2
		White Oak	2	29.5	0.8
		Misc. Frag.	-	26.2	0.5
		Total	32	468.5	6.35
275	72	Black Willow	18	19.7	0.7
275	73	Black Willow	27	45.9	0.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
275	74	Choke Cherry	1	6.5	0.01
		Red Maple	10	108.1	1.4
		Total	11	114.6	1.41
275	76	Black Willow	20	39.3	0.7
		Sweet Gum	1	3.3	0.01
		Total	21	42.6	0.71
275	77	Choke Cherry	2	9.8	0.05
		Red Maple	2	16.4	0.1
		Sweet Gum	1	6.5	0.2
		Misc. Frag.	-	13.1	0.1
		Total	5	45.8	0.45
275	79	Black Willow	57	150.7	2.9
		Persimmon	1	13.1	0.1
		Red Maple	1	3.3	0.01
		Total	59	167.1	3.01
275	80	Persimmon	6	42.6	0.25
276	11	Black Oak	1	42.6	1.0
		Red Maple	4	45.9	0.52
		Sweet Gum	2	16.4	0.2
		Tulip Poplar	9	173.6	2.1
		Misc. Frag.	-	29.5	0.45
		Total	16	308.0	4.27
276	12	Beech	3	19.7	0.15
		Dogwood	6	62.2	0.7
		Hickory	8	42.6	1.3
		Red Maple	1	3.3	0.01
		Sweet Gum	2	13.1	0.25
		Tulip Poplar	4	121.2	1.7
		Tupelo	19	131.0	2.1
		White Oak	3	49.1	1.3
		Total	46	442.2	7.51
276	13	Beech	5	65.5	0.5
		Black Oak	1	22.9	0.6
		Dogwood	20	176.9	1.9
		Sweet Gum	7	42.6	1.5
		Tulip Poplar	7	104.8	1.8
		Misc. Frag.	-	29.5	0.6
		Total	40	442.2	6.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
276	14	Beech	14	163.8	2.3
		Black Oak	1	29.5	0.5
		Spanish Oak	2	26.2	0.55
		Tupelo	7	52.4	0.75
		White Oak	8	65.5	1.2
		Misc. Frag.	-	68.8	1.4
		Total	32	406.2	6.7
276	15	Beech	2	19.7	0.3
		Black Cherry	2	9.8	0.1
		Dogwood	9	91.7	1.0
		Hornbeam	9	29.5	0.3
		Red Maple	1	26.2	0.35
		Sweet Gum	17	167.1	3.1
		Tupelo	2	6.5	0.1
		Virginia Pine	45	19.7	0.65
		White Oak	5	52.4	1.1
		Misc. Frag.	-	52.4	1.5
		Total	92	475.0	8.5
276	16	Black Oak	2	45.9	1.25
		Dogwood	2	19.7	0.2
		Hornbeam	51	117.9	0.8
		Spanish Oak	1	13.1	0.3
		Sweet Gum	6	72.1	1.7
		White Oak	4	49.1	1.1
		Misc. Frag.	-	39.3	0.75
		Total	66	357.1	6.1
276	17	Beech	4	26.2	0.55
		Black Oak	4	75.3	1.5
		Dogwood	21	262.1	2.4
		Hornbeam	14	26.2	0.25
		Spanish Oak	9	154.0	3.2
		Sweet Gum	8	68.8	1.2
		White Oak	2	13.1	0.35
		Misc. Frag.	-	49.1	1.1
		Total	62	674.8	10.55
276	18	Black Oak	3	95.0	2.2
		Dogwood	22	249.0	2.6
		Spanish Oak	17	157.2	2.8
		Sweet Gum	2	13.1	0.2
		Total	44	514.3	7.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
276	19	Beech	1	6.5	0.1
		Dogwood	7	85.2	0.9
		Sweet Gum	7	95.0	2.0
		Tupelo	2	16.4	0.3
		White Oak	3	32.8	0.6
		Misc. Frag.	-	36.0	0.75
		Total	20	271.9	4.65
276	20	Dogwood	4	42.6	0.5
		Spanish Oak	1	3.3	0.1
		Sweet Gum	5	22.9	0.5
		Tupelo	51	455.4	6.5
		Misc. Frag.	-	39.3	1.0
		Total	61	563.5	8.6
276	61	Persimmon	51	494.7	11.2
		Red Maple	3	13.1	0.3
		Sweet Gum	2	19.7	0.4
		Total	56	527.5	11.9
276	62	Black Cherry	1	16.4	0.45
		Black Oak	17	147.4	2.8
		Pin Oak	25	226.0	4.3
		Red Maple	2	19.7	0.4
		Sweet Gum	1	6.5	0.15
		Total	46	416.0	8.1
276	63	Black Cherry	5	22.9	0.4
		Black Walnut	11	45.9	1.2
		Pin Oak	1	13.1	0.4
		Total	17	81.9	2.0
276	64	Black Cherry	4	26.2	0.35
		Red Maple	11	91.7	1.55
		Sweet Gum	10	98.3	2.3
		Misc. Frag.	-	16.4	0.6
		Total	25	232.6	4.8
276	65	Persimmon	5	42.6	1.0
		Sweet Gum	2	6.5	0.2
		Total	7	49.1	1.2
276	66	Black Cherry	44	190.0	2.75
		Persimmon	6	49.1	1.7
		Total	50	239.1	4.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
276	67	American Elm	3	19.7	0.55
		Black Oak	2	29.5	0.6
		Persimmon	4	16.4	0.4
		Pin Oak	2	13.1	0.3
		Red Maple	9	111.4	2.1
		Sweet Gum	1	9.8	0.2
		Misc. Frag.	-	104.8	3.5
		Total	21	304.7	7.65
276	68	American Elm	1	3.3	0.2
		Black Cherry	72	311.2	3.4
		Black Oak	1	6.5	0.2
		Red Maple	16	140.9	2.5
		Total	90	461.9	6.3
276	69	Black Cherry	5	45.9	0.8
276	70	American Elm	6	9.8	0.4
		Black Cherry	10	36.0	0.6
		Sweet Cherry	18	91.7	2.5
		Total	34	137.5	3.5
277	21	American Elm	114	1045.0	16.5
		Black Cherry	2	9.8	0.1
		Black Locust	66	131.0	2.7
		Total	182	1185.8	19.3
277	22	American Elm	70	406.2	8.2
		Black Cherry	8	39.3	0.5
		Black Locust	47	81.9	2.1
		Total	125	527.4	10.8
277	23	American Elm	111	1077.8	15.0
		Black Locust	28	55.7	1.1
		Total	139	1133.5	16.1
277	24	American Elm	135	792.8	17.5
		Black Walnut	22	85.2	2.55
		Total	157	878.0	20.05
277	25	American Elm	49	435.7	10.45
		Black Locust	45	104.8	2.25
		Black Walnut	20	88.4	3.35
		Total	114	628.9	16.05

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
277	26	American Elm	69	363.6	6.2
		Black Cherry	29	150.7	1.9
		Black Locust	18	32.8	0.7
		Total	116	547.1	8.8
277	27	American Elm	115	805.9	14.9
		Black Locust	69	121.2	3.1
		Total	184	927.1	18.0
277	28	American Elm	59	583.1	9.4
		Black Locust	81	114.7	3.2
		Total	140	697.8	12.6
277	29	American Elm	206	1565.9	27.8
		Black Locust	72	124.5	3.4
		Total	278	1690.4	31.2
277	30	American Elm	93	855.0	13.85
277	51	Black Cherry	3	6.5	0.3
		Sassafras	2	26.2	0.5
		Total	5	32.7	0.8
277	52	Dogwood	21	137.6	3.2
		Persimmon	44	278.5	7.05
		Pin Oak	2	19.7	0.5
		Misc. Frag.	-	157.2	5.1
		Total	67	593.0	15.85
277	53	Sassafras	19	222.8	2.4
		Sweet Gum	4	9.8	0.65
		Total	23	232.6	3.05
277	54	Sweet Gum	3	6.5	0.45
		Tree of Heaven	6	39.3	1.4
		Total	9	45.8	1.85
277	55	Black Cherry	2	3.3	0.25
		Persimmon	129	1130.2	20.3
		Sweet Gum	6	32.8	1.0
		Misc. Frag.	-	52.4	1.9
		Total	137	1218.7	23.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
277	57	Sweet Gum	6	19.7	0.7
277	58	Black Cherry	36	163.8	5.25
		Persimmon	13	108.1	2.4
		Sweet Gum	26	98.3	3.0
		Misc. Frag.	-	91.7	2.8
		Total	75	461.9	13.45
277	59	American Elm	13	114.7	2.45
		Black Cherry	93	304.7	4.5
		Persimmon	57	304.7	6.7
		Misc. Frag.	-	19.7	0.6
		Total	163	743.8	14.25
277	60	American Elm	9	65.5	1.5
		Sassafras	5	91.7	1.5
		Sweet Gum	9	49.1	1.1
		Tulip Poplar	26	439.0	7.65
		Total	49	645.3	11.75
281	1	Beech	1	6.5	0.01
		Black Oak	3	65.5	1.2
		Chestnut Oak	3	65.5	1.45
		Red Maple	5	36.0	0.25
		Spanish Oak	1	16.4	0.3
		Tupelo	26	321.0	4.05
		White Oak	14	190.0	3.9
		Total	53	700.9	11.16
281	2	Spanish Oak	5	75.3	1.5
		Tupelo	62	727.3	8.2
		White Oak	10	91.7	1.8
		Misc. Frag.	-	29.5	0.65
		Total	77	923.8	12.15
281	3	Black Oak	2	42.6	0.7
		Dogwood	3	29.5	0.25
		Spanish Oak	3	22.9	0.6
		Sweet Gum	1	6.4	0.1
		Tupelo	49	435.7	4.8
		White Oak	18	239.1	3.65
		Total	76	776.3	10.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
281	4	Beech	12	111.4	1.3
		Black Oak	7	173.6	2.8
		Red Maple	2	26.2	0.5
		Tupelo	22	232.6	3.5
		White Oak	23	275.2	4.85
		Total	66	819.0	12.95
281	5	Beech	9	78.6	0.7
		Black Oak	16	504.5	8.7
		Hickory	1	19.7	0.4
		Red Maple	1	16.4	0.15
		Sweet Gum	1	3.3	0.1
		Tupelo	23	235.9	3.4
		White Oak	4	26.2	0.5
		Total	55	884.6	13.95
281	6	Black Oak	5	108.1	2.3
		Sweet Gum	15	114.7	1.45
		Tupelo	36	334.1	3.85
		White Oak	17	232.6	4.55
		Total	73	789.5	12.15
281	7	Black Oak	8	111.4	2.1
		Dogwood	4	26.2	0.3
		Post Oak	1	19.7	0.35
		Red Maple	3	19.7	0.2
		Spanish Oak	3	45.9	1.0
		Sweet Gum	1	13.1	0.2
		White Oak	12	180.1	2.75
		Total	32	416.1	6.9
281	8	Black Oak	5	78.6	1.3
		Chestnut Oak	2	19.7	0.25
		Spanish Oak	2	32.8	0.6
		Tupelo	11	111.4	1.45
		White Oak	2	26.2	0.5
		Misc. Frag.	-	16.4	0.5
		Total	22	285.1	4.6
281	9	Beech	3	19.7	0.1
		Chestnut Oak	4	62.2	0.9
		Tupelo	34	311.2	4.7
		White Oak	6	59.0	1.45
		Misc. Frag.	-	45.9	1.0
		Total	47	498.0	8.15

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
281	10	Black Oak	2	59.0	0.9
		Chestnut Oak	15	344.0	5.6
		Pin Oak	1	16.4	0.2
		Tupelo	41	455.4	6.5
		White Oak	2	13.1	0.45
		Total	61	887.9	13.65
281	41	Black Cherry	21	88.4	1.3
		Persimmon	3	16.4	0.55
		Sweet Cherry	10	114.7	1.6
		Sweet Gum	7	45.9	0.85
		Tulip Poplar	2	6.5	0.01
		Total	43	271.9	4.31
281	42	Black Cherry	3	13.1	0.2
		Dogwood	2	19.7	0.3
		Sweet Gum	62	419.3	10.5
		Total	67	452.1	11.0
281	43	Black Cherry	17	65.5	0.8
		Persimmon	15	108.1	1.8
		Sweet Gum	15	98.3	2.0
		Misc. Frag.	-	29.5	0.8
		Total	47	301.4	5.4
281	44	Black Cherry	28	114.7	1.45
		Black Oak	1	9.8	0.2
		Persimmon	77	1297.3	9.7
		Sweet Gum	9	72.1	1.7
		Total	115	1493.9	13.05
281	45	Black Cherry	100	553.6	7.45
		Sweet Gum	16	127.8	2.7
		Total	116	681.4	10.15
281	46	Persimmon	20	137.6	3.2
		Sweet Gum	41	324.3	6.55
		Total	61	461.9	9.75
281	47	Black Cherry	23	226.0	3.1
		Sweet Gum	45	298.1	6.1
		Total	68	524.1	9.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
281	48	Black Cherry	3	13.1	0.2
		Black Oak	1	9.8	0.1
		Persimmon	6	49.1	1.0
		Sweet Gum	17	134.3	2.6
		Tulip Poplar	14	255.5	3.55
		Total	41	461.8	7.4
281	49	Black Cherry	13	55.7	0.7
		Persimmon	2	13.1	0.35
		Sweet Gum	20	124.5	2.8
		Total	35	193.3	3.85
281	50	Black Cherry	77	376.7	5.0
		Sweet Gum	23	183.5	3.6
		Tulip Poplar	2	85.2	1.4
		Total	102	645.4	10.0
282	31	Beech	14	81.9	1.1
		Spanish Oak	2	13.1	0.4
		Sweet Gum	2	39.3	0.8
		White Oak	1	6.5	0.2
		Total	19	140.8	2.5
282	32	Beech	3	36.0	0.5
		Dogwood	1	9.8	0.15
		Tulip Poplar	1	19.7	0.5
		Misc. Frag.	-	19.7	0.4
		Total	5	85.2	1.55
282	33	Beech	2	22.9	0.2
		Spanish Oak	3	19.7	0.45
		Sweet Gum	1	3.3	0.01
		Tulip Poplar	7	137.6	1.8
		Total	13	183.5	2.46
282	34	Beech	6	39.3	0.4
		Spanish Oak	3	26.2	0.75
		Tulip Poplar	3	55.7	0.65
		Misc. Frag.	-	32.8	0.7
		Total	12	154.0	2.5
282	35	Beech	26	212.9	2.7
		Hornbeam	6	6.5	0.1
		Tulip Poplar	3	26.2	0.5
		Misc. Frag.	-	26.2	0.7
		Total	35	271.8	4.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
282	36	Beech	15	160.5	1.65
		Spanish Oak	14	275.2	4.4
		Tulip Poplar	2	52.4	0.9
		Tupelo	1	6.5	0.15
		Total	32	494.6	7.1
282	37	Beech	23	242.4	2.0
		Spanish Oak	8	101.6	2.2
		Misc. Frag.	-	16.4	0.4
		Total	31	360.4	4.6
282	38	Beech	10	101.6	1.4
		Black Oak	1	22.9	0.4
		White Oak	1	9.8	0.15
		Total	12	134.3	1.95
282	39	Beech	6	65.5	0.7
		Dogwood	2	16.4	0.2
		Spanish Oak	4	65.5	1.6
		Tulip Poplar	1	9.8	0.2
		Tupelo	2	19.7	0.25
		Sweet Gum	1	3.3	0.1
		Total	16	180.2	3.05
282	40	Beech	1	26.2	0.2
		Sweet Gum	3	19.7	0.5
		White Oak	4	36.0	0.9
		Misc. Frag.	-	26.2	0.5
		Total	8	108.1	2.1
282	72	Black Willow	7	13.1	0.4
282	73	Black Willow	16	39.3	0.75
282	74	Red Maple	11	85.2	1.2
282	76	Black Willow	23	45.9	0.7
282	77	Black Cherry	2	6.5	0.1
		Red Maple	1	6.5	0.15
		Total	3	13.0	0.25
282	79	Black Willow	51	203.1	3.0
		Sweet Gum	1	6.5	0.15
		Sycamore	1	16.4	0.3
		Total	53	226.0	3.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
282	80	Persimmon	4	29.5	0.35
		Pin Oak	1	13.1	0.3
		Total	5	42.6	0.65
283	11	Dogwood	2	36.0	0.4
		Red Maple	1	6.5	0.1
		Sweet Gum	11	59.0	0.85
		Tulip Poplar	3	88.4	1.4
		White Oak	2	26.2	0.4
		Total	19	216.1	3.15
283	12	Beech	10	114.7	0.65
		Black Oak	3	62.2	1.0
		Dogwood	2	19.7	0.15
		Red Maple	3	26.2	0.4
		Tupelo	28	340.7	3.2
		White Oak	7	140.9	2.5
		Total	53	704.4	7.9
283	13	Beech	3	22.9	0.2
		Dogwood	8	108.1	0.8
		Hickory	5	45.9	0.5
		Spanish Oak	1	3.3	0.1
		Tupelo	1	6.5	0.2
		Tulip Poplar	1	42.6	0.6
		Total	19	229.3	2.4
283	14	Beech	8	78.6	1.5
		Black Oak	3	91.7	1.6
		Tulip Poplar	2	19.7	0.3
		Tupelo	5	29.5	0.45
		White Oak	8	85.2	1.4
		Total	26	304.7	5.25
283	15	Dogwood	1	9.8	0.2
		Red Maple	3	49.1	0.5
		Sweet Gum	19	190.0	3.5
		Tulip Poplar	1	3.3	0.1
		Misc. Frag.	-	45.9	0.6
		Total	24	298.1	4.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
283	16	Beech	5	42.6	0.5
		Black Oak	3	193.3	2.5
		Dogwood	2	22.9	0.3
		Hickory	2	36.0	0.6
		Hornbeam	27	98.3	0.6
		Sweet Gum	1	19.7	0.5
		White Oak	3	26.2	0.4
		Total	43	439.0	5.4
283	17	Beech	1	16.4	0.3
		Black Oak	5	104.8	2.25
		Dogwood	6	45.9	0.6
		Hornbeam	10	19.7	0.15
		Spanish Oak	2	68.8	1.3
		Sweet Gum	5	45.9	0.8
		Tupelo	3	19.7	0.25
		White Oak	3	29.5	0.5
		Total	35	350.7	6.15
283	18	Black Oak	1	29.5	0.7
		Dogwood	14	183.5	1.75
		Spanish Oak	8	88.4	1.7
		Sweet Gum	2	13.1	0.3
		White Oak	1	6.5	0.1
		Total	26	321.0	4.55
283	19	Dogwood	27	321.0	3.4
		Sweet Gum	2	22.9	0.4
		White Oak	6	88.4	1.4
		Total	35	432.3	5.2
283	20	Black Oak	1	16.4	0.6
		Dogwood	1	6.5	0.1
		Spanish Oak	4	36.0	0.7
		Sweet Gum	1	6.5	0.2
		Tupelo	56	452.1	7.0
		Total	63	517.5	8.6
283	61	Persimmon	219	2538.9	35.8
		Red Maple	2	29.5	0.6
		Sweet Gum	2	19.7	0.4
		Tulip Poplar	3	75.3	0.9
		Total	226	2663.4	37.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
283	62	Black Oak	9	72.1	0.9
		Pin Oak	28	324.3	4.9
		Total	37	396.4	5.8
283	63	Black Cherry	9	75.3	0.7
		Black Walnut	20	62.2	0.75
		Total	29	137.5	1.45
283	64	Persimmon	2	29.5	0.3
		Red Maple	1	16.4	0.3
		Sweet Gum	29	488.1	6.55
		Total	32	534.0	7.15
283	65	Sweet Gum	2	29.5	0.4
283	66	Black Cherry	26	190.0	2.1
		Persimmon	48	914.0	13.2
		Total	74	1104.0	15.3
283	67	American Elm	3	52.4	0.9
		Persimmon	18	304.7	5.3
		Pin Oak	1	9.8	0.1
		Red Maple	4	45.9	0.7
		Sweet Gum	1	13.1	0.2
		Total	27	425.9	7.2
283	68	Black Cherry	14	75.3	0.7
		Red Maple	18	186.7	3.1
		Sweet Gum	1	19.7	0.45
		Total	33	281.7	4.25
283	69	Black Cherry	2	13.1	0.3
283	70	American Elm	5	29.5	0.4
		Black Cherry	17	111.4	1.0
		Sweet Gum	18	157.2	2.15
		Total	40	298.1	3.55
284	21	American Elm	56	697.8	9.15
		Black Cherry	4	13.1	0.15
		Black Locust	103	173.6	3.6
		Total	163	884.5	12.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
284	22	American Elm	71	642.1	8.7
		Black Cherry	19	91.7	0.9
		Black Locust	47	91.7	1.8
		Total	137	825.5	11.4
284	23	American Elm	60	776.4	8.55
		Black Locust	66	111.4	2.0
		Total	126	887.8	10.55
284	24	American Elm	114	1048.3	17.55
		Black Walnut	3	9.8	0.3
		Total	117	1058.1	17.85
284	25	American Elm	12	170.3	3.65
		Black Locust	56	144.1	2.2
		Black Walnut	3	13.1	0.4
		Total	71	327.5	6.25
284	26	American Elm	29	222.8	2.9
		Black Cherry	23	91.7	1.1
		Black Locust	11	19.7	0.4
		Tulip Poplar	1	19.7	0.2
		Total	64	353.9	4.6
284	27	American Elm	145	1215.4	17.3
		Black Locust	83	98.3	3.0
		Total	228	1313.7	20.3
284	28	American Elm	38	386.6	5.0
		Black Locust	58	81.9	1.8
		Total	96	468.5	6.8
284	29	American Elm	199	1949.2	29.05
		Black Locust	226	327.6	6.9
		Total	425	2276.8	35.95
284	30	American Elm	84	858.3	12.85
284	52	Dogwood	81	838.7	13.65
		Persimmon	52	488.1	10.0
		Sassafras	2	39.3	0.5
		Sweet Gum	1	6.5	0.1
		Total	136	1372.6	24.25

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
284	53	Sassafras	10	157.2	1.45
		Sweet Gum	3	13.1	0.1
		Total	13	170.3	1.55
284	54	Black Cherry	1	6.5	0.15
		Sweet Gum	7	36.0	0.9
		Tree of Heaven	3	29.5	1.0
		Total	11	72.0	2.05
284	55	Persimmon	110	1117.1	17.5
		Sweet Gum	5	22.9	0.4
		Total	115	1140.0	17.9
284	56	Black Cherry	1	3.3	0.01
		Persimmon	2	11.7	0.4
		Total	3	15.0	0.41
284	57	Sweet Gum	21	98.3	1.8
284	58	Black Cherry	3	13.1	0.25
		Box Elder	29	186.7	3.3
		Persimmon	8	91.7	1.6
		Sweet Gum	41	239.1	7.2
		Total	81	530.6	12.35
284	59	American Elm	16	271.9	4.3
		Black Cherry	48	170.3	2.25
		Persimmon	75	504.5	8.1
		Sweet Gum	2	6.5	0.25
		Total	141	953.2	14.9
284	60	Sassafras	5	75.3	0.9
		Sweet Gum	2	9.8	0.1
		Tulip Poplar	34	789.5	9.6
		Total	41	874.6	10.6
288	1	Beech	3	42.6	0.7
		Black Oak	52	1500.4	32.9
		Chestnut	2	42.6	0.8
		Tupelo	161	2807.5	32.8
		White Oak	36	727.3	9.85
		Total	254	5120.4	77.05

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
288	2	Beech	1	13.1	0.2
		Black Oak	16	461.9	8.45
		Spanish Oak	2	42.6	0.35
		Tupelo	185	3223.6	21.25
		White Oak	14	281.7	3.4
		Total	218	4022.9	33.65
288	3	Black Oak	15	432.4	10.0
		Dogwood	9	101.6	1.0
		Northern Red Oak	1	85.2	1.0
		Red Maple	1	9.8	0.05
		Spanish Oak	9	170.3	2.35
		Sweet Gum	6	98.3	0.2
		Tupelo	133	2319.4	19.85
		White Oak	33	665.0	11.7
		Total	207	3882.0	46.15
288	4	Beech	12	121.2	1.3
		Black Oak	29	835.4	13.4
		Northern Red Oak	4	117.9	2.0
		Red Maple	49	874.7	6.5
		Spanish Oak	7	147.4	1.75
		Tupelo	208	3118.7	36.4
		White Oak	59	1189.2	3.45
		Total	368	6404.5	64.8
288	5	Beech	21	281.7	2.7
		Black Oak	35	1009.0	14.7
		Chestnut Oak	1	19.7	0.3
		Hickory	15	186.7	3.6
		Red Maple	1	6.5	0.1
		Tupelo	95	1130.2	15.9
		White Oak	13	262.1	8.4
		Total	181	2895.9	45.7
288	6	Black Oak	19	547.1	10.6
		Chestnut	5	117.9	1.9
		Chestnut Oak	10	219.5	2.85
		Spanish Oak	2	19.7	0.45
		Sweet Gum	6	36.0	0.6
		Tupelo	102	1418.5	16.3
		White Oak	53	704.3	13.0
		Total	197	3063.0	45.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
288	7	Beech	3	16.4	0.1
		Black Oak	43	1392.3	23.7
		Dogwood	16	186.7	1.7
		Red Maple	10	117.9	1.0
		Spanish Oak	4	104.8	1.35
		Sweet Gum	6	98.3	1.8
		Tupelo	16	278.5	2.6
		White Oak	44	609.3	10.4
Total		142	2804.2	42.65	
288	8	Black Oak	28	805.9	14.5
		Chestnut	1	22.9	0.25
		Chestnut Oak	4	88.4	2.2
		Dogwood	1	9.8	0.15
		Tupelo	21	222.8	3.1
		Virginia Pine	16	6.5	0.4
		White Oak	38	766.6	10.1
Total		109	1922.9	30.7	
288	9	Beech	21	288.3	2.3
		Black Oak	3	68.8	1.2
		Chestnut Oak	7	167.1	2.25
		Red Maple	6	72.1	0.85
		Spanish Oak	2	42.6	0.75
		Tupelo	149	2597.9	22.1
		White Oak	105	2119.6	24.8
Total		293	5356.4	54.25	
288	10	Beech	12	124.5	1.25
		Black Oak	41	1182.6	20.75
		Chestnut Oak	57	1248.2	16.8
		Spanish Oak	7	147.4	2.3
		Sweet Gum	9	55.7	0.85
		Tupelo	68	835.4	11.25
		White Oak	64	825.5	14.6
Total		258	4419.3	67.8	
288	41	Black Cherry	59	389.8	4.1
		Sweet Cherry	18	235.9	2.2
		Sweet Gum	14	127.8	2.4
		Tulip Poplar	3	65.5	0.7
Total		94	819.0	9.4	

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
288	42	Black Cherry	4	13.1	0.2
		Dogwood	1	9.8	0.1
		Persimmon	8	65.5	1.1
		Sweet Gum	241	2250.6	51.9
		Tulip Poplar	2	39.3	0.3
		Total	256	2378.3	53.6
288	43	Black Cherry	22	127.8	1.3
		Persimmon	23	288.3	5.5
		Sweet Gum	34	298.1	5.9
		Total	79	714.2	12.7
288	44	Black Cherry	44	167.1	1.7
		Black Oak	6	75.3	0.8
		Persimmon	87	871.4	15.85
		Sweet Gum	29	190.0	4.3
		Total	166	1303.8	22.65
288	45	Black Cherry	95	681.4	9.55
		Black Oak	6	78.6	1.6
		Dogwood	3	29.5	0.3
		Pin Oak	3	42.6	0.7
		Sweet Gum	55	330.9	6.8
		Tulip Poplar	21	448.8	4.9
		Total	183	1611.8	23.85
288	46	Black Cherry	3	22.9	0.3
		Persimmon	2	19.7	0.55
		Sweet Gum	114	1431.6	22.45
		Total	119	1474.2	23.3
288	47	Black Cherry	54	537.3	6.1
		Sweet Gum	110	1097.5	16.9
		Tulip Poplar	5	85.2	0.6
		Total	169	1720.0	23.6
288	48	Persimmon	22	278.5	3.3
		Sweet Gum	34	327.6	5.1
		Tulip Poplar	151	4694.5	48.25
		Total	207	5300.6	56.65
288	49	Black Cherry	33	212.9	1.8
		Persimmon	5	55.7	0.65
		Sweet Gum	48	478.3	6.4
		Tulip Poplar	1	9.8	0.2
		Total	87	756.7	9.05

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
288	50	Black Cherry	271	1212.1	12.6
		Sweet Gum	58	612.6	9.4
		Tulip Poplar	5	196.7	1.7
		Total	334	2021.4	23.7
289	31	Beech	471	6172.0	49.65
		Black Oak	7	203.1	2.9
		Spanish Oak	8	167.1	1.85
		Sweet Gum	6	114.7	1.7
		Tulip Poplar	6	216.2	2.4
		White Oak	3	59.0	0.3
		Total	501	6932.1	58.8
289	32	Beech	330	4324.3	36.15
		Dogwood	14	255.5	1.15
		Spanish Oak	4	85.2	1.45
		Sweet Gum	21	439.0	4.9
		Tulip Poplar	2	75.3	0.35
		White Oak	1	19.7	0.35
		Total	372	5199.0	44.5
289	33	Beech	73	956.6	6.35
		Black Oak	42	1212.1	13.55
		Dogwood	3	52.4	0.3
		Red Maple	1	16.4	0.15
		Spanish Oak	8	167.1	2.2
		Tulip Poplar	5	180.2	1.75
		Total	132	2584.8	24.3
289	34	Beech	80	1048.3	7.4
		Dogwood	2	16.4	0.1
		Spanish Oak	37	773.1	11.3
		Tulip Poplar	25	897.6	5.5
		White Oak	6	121.2	1.25
		Total	150	2856.6	25.55
289	35	Beech	430	5634.7	55.8
		Chestnut Oak	1	22.9	0.15
		Hornbeam	5	16.4	0.05
		Spanish Oak	5	104.8	1.8
		Sweet Gum	2	39.3	0.6
		Tulip Poplar	14	501.2	2.6
		Total	457	6319.3	61.00

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
289	36	Beech	150	1965.6	13.7
		Black Oak	1	29.5	0.5
		Chestnut Oak	6	131.0	1.0
		Hickory	15	461.9	4.0
		Spanish Oak	24	501.2	5.15
		Sweet Gum	3	59.0	0.55
		Tulip Poplar	36	1294.0	8.2
		White Oak	1	19.7	0.2
		Total	236	4461.9	33.3
289	37	Beech	476	6237.5	46.6
		Dogwood	1	19.7	0.2
		Spanish Oak	91	1903.4	24.3
		Sweet Gum	14	268.6	3.8
		Tulip Poplar	8	288.3	2.7
		Total	590	8717.5	77.6
289	38	Beech	240	3145.0	33.35
		Pin Oak	11	229.3	6.15
		Spanish Oak	4	85.2	1.7
		Virginia Pine	16	6.5	0.3
		White Oak	16	324.3	2.9
		Total	287	3790.3	44.4
289	39	Beech	79	1035.2	8.5
		Black Oak	1	29.5	1.0
		Dogwood	13	222.8	1.0
		Hickory	11	147.4	1.2
		Spanish Oak	24	501.2	6.3
		Sweet Gum	1	19.7	0.2
		Tupelo	5	88.4	1.0
		Tulip Poplar	46	1651.1	10.85
		Total	180	3695.3	30.05
289	40	Beech	202	2647.0	21.55
		Black Jack Oak	1	88.4	0.6
		Black Oak	3	85.2	2.05
		Dogwood	3	52.4	0.4
		Northern Red Oak	2	186.7	1.85
		Sweet Gum	21	402.9	5.1
		Tulip Poplar	8	288.3	1.5
		White Oak	57	1149.9	19.85
		Total	297	4900.8	52.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
289	71	Red Maple	1	16.4	0.2
289	72	Black Oak	1	6.5	0.1
		Black Willow	10	36.0	0.4
		Total	11	42.5	0.5
289	73	Black Willow	27	78.6	0.9
		Persimmon	2	26.2	0.3
		Total	29	104.8	1.2
289	74	Red Maple	57	1015.6	10.55
289	76	Black Oak	1	13.1	0.2
		Black Willow	18	45.9	0.5
		Sweet Gum	1	19.7	0.25
		Sycamore	1	13.1	0.2
		Total	21	91.8	1.15
289	77	Persimmon	3	62.2	0.6
		Red Maple	11	196.6	1.25
		Spanish Oak	11	229.3	2.5
		Total	25	488.1	4.35
289	79	Black Willow	51	222.8	2.5
		Red Maple	2	45.9	0.7
		Sycamore	10	416.0	4.8
		Total	63	684.7	8.0
289	80	Black Oak	11	317.8	1.3
		Sweet Gum	1	29.5	0.3
		Total	12	347.3	1.6
290	11	Beech	3	39.3	0.1
		Dogwood	48	825.5	4.9
		Hickory	9	114.7	1.05
		Hornbeam	2	16.4	0.15
		Red Ash	3	26.2	0.8
		Red Maple	15	268.6	1.2
		Sweet Gum	28	537.3	3.2
		Tulip Poplar	70	2512.7	15.4
		White Oak	8	160.5	1.0
		Total	186	4501.2	27.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
290	12	Beech	61	799.3	5.2
		Black Oak	69	1988.5	47.1
		Dogwood	32	550.4	2.8
		Hickory	22	275.2	3.25
		Red Maple	9	160.5	2.05
		Sweet Gum	9	173.6	2.0
		Tulip Poplar	22	798.5	3.65
		Tupelo	80	1395.6	12.0
		White Oak	14	281.7	2.2
		Total	318	6423.3	80.25
290	13	Beech	103	1349.7	9.6
		Black Oak	8	229.3	4.2
		Dogwood	10	173.6	0.7
		Hickory	133	1654.4	11.3
		Spanish Oak	2	42.6	0.55
		Sweet Gum	49	936.9	4.45
		Sycamore	4	173.6	1.8
		Tulip Poplar	58	2083.5	14.5
		Tupelo	20	347.3	3.3
		Total	387	6990.9	50.4
290	14	Beech	209	2738.7	31.2
		Black Oak	8	229.3	5.2
		Dogwood	8	137.6	1.0
		Hickory	1	13.1	0.25
		Red Maple	5	88.4	0.7
		Spanish Oak	5	104.8	0.7
		Tulip Poplar	10	360.4	2.3
		Tupelo	20	347.3	2.3
		White Oak	86	1736.3	12.4
		Total	352	5755.9	56.05
290	15	Beech	25	327.6	2.1
		Black Oak	1	29.5	1.4
		Dogwood	50	861.6	7.2
		Hickory	3	36.0	0.3
		Hornbeam	26	147.4	0.7
		Post Oak	12	301.4	4.2
		Red Maple	27	481.6	5.5
		Spanish Oak	1	19.7	0.2
		Sweet Gum	259	4956.6	56.35
		Tulip Poplar	1	39.3	0.05
		Tupelo	1	16.4	0.15
		White Oak	26	524.2	4.9
		Virginia Pine	12	3.3	0.1
		Total	444	7744.6	83.15

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
290	16	Beech	94	1231.8	12.4
		Black Oak	18	517.6	12.85
		Box Elder	20	121.2	1.35
		Dogwood	22	380.0	2.4
		Hickory	35	435.7	8.55
		Hornbeam	319	1798.5	6.85
		Spanish Oak	29	606.1	7.0
		Sweet Gum	26	497.9	5.3
		Virginia Pine	3	0.3	0.01
		White Oak	59	1189.2	13.0
		Total	625	6778.3	69.71
290	17	Beech	8	104.8	1.0
		Black Oak	33	950.0	17.9
		Dogwood	51	878.0	6.35
		Hickory	5	62.2	0.9
		Hornbeam	51	288.3	0.8
		Red Maple	2	36.0	0.3
		Spanish Oak	109	2283.4	39.75
		Sweet Gum	71	1359.5	15.9
		Tupelo	7	121.2	1.2
		Virginia Pine	-	3.3	0.8
		White Oak	87	1755.9	26.3
		Total	424	7842.6	111.2
290	18	Black Oak	27	779.7	13.55
		Dogwood	142	2443.9	17.7
		Hickory	2	26.2	0.02
		Spanish Oak	101	2113.0	24.75
		Sweet Gum	23	439.0	4.9
		White Oak	12	242.4	3.65
		Total	307	6044.2	64.57
290	19	Beech	2	26.2	0.2
		Black Oak	3	85.2	1.1
		Chestnut Oak	7	376.7	3.5
		Dogwood	87	1497.1	11.0
		Hickory	6	75.3	1.0
		Red Maple	5	88.4	0.45
		Spanish Oak	14	291.6	3.75
		Sweet Gum	23	439.0	6.0
		Tulip Poplar	5	180.2	1.1
		Tupelo	11	193.3	1.8
		White Oak	140	2823.9	28.45
		Total	303	6076.9	58.35

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
290	20	Beech	11	144.1	2.1
		Black Cherry	1	6.5	0.02
		Dogwood	27	465.2	2.7
		Hickory	5	62.2	0.5
		Spanish Oak	68	1425.1	12.45
		Sweet Gum	58	1110.6	9.25
		Tupelo	541	9428.3	67.55
		Virginia Pine	16	1.6	0.2
	Total	727	12643.6	94.77	
290	61	Black Oak	5	144.1	0.85
		Box Elder	4	22.9	0.25
		Persimmon	100	1795.2	18.2
		Red Maple	5	88.4	0.25
		Sweet Gum	44	841.9	10.1
		Tulip Poplar	2	72.1	0.25
	Total	160	2964.6	29.9	
290	62	Black Cherry	35	307.9	1.0
		Box Elder	12	154.0	0.88
		Persimmon	2	36.0	0.1
		Pin Oak	228	4720.7	5.55
		Red Maple	62	1104.0	5.55
		Sweet Gum	12	229.3	2.75
		Sycamore	1	55.7	0.5
	Total	352	6607.6	16.33	
290	63	American Elm	2	22.9	0.25
		Black Cherry	12	88.5	0.9
		Black Walnut	30	95.0	1.5
		Box Elder	6	52.4	0.5
		Persimmon	3	52.4	0.4
		Red Maple	2	36.0	0.85
	Total	55	347.2	4.4	
290	64	Black Cherry	6	52.4	0.3
		Box Elder	109	665.0	5.1
		Persimmon	6	108.1	1.35
		Red Maple	37	658.5	4.05
		Sweet Gum	212	4055.7	7.9
		Willow Oak	114	1254.7	16.2
	Total	484	6794.4	34.9	

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
290	65	American Elm	1	19.7	0.2
		Sweet Gum	35	668.3	7.65
		Total	36	688.0	7.85
290	66	Black Cherry	192	1887.0	12.5
		Persimmon	60	1077.8	9.25
		Sweet Gum	1	19.7	0.85
		Total	253	2984.5	22.6
290	67	American Elm	38	760.0	5.75
		Black Oak	2	59.0	0.6
		Persimmon	3	52.4	0.3
		Pin Oak	3	62.2	0.7
		Red Maple	25	445.5	3.65
		Sweet Gum	5	95.0	0.45
		Total	76	1474.1	11.45
290	68	American Elm	2	39.3	0.01
		Black Cherry	143	1405.4	6.2
		Red Maple	251	4471.7	31.85
		Sweet Gum	6	114.7	1.4
		Total	402	6031.1	39.46
290	70	American Elm	39	779.7	2.1
		Black Cherry	65	638.8	5.9
		Sweet Gum	192	3672.4	4.5
		Total	296	5090.9	12.5
291	21	American Elm	191	3816.5	34.6
		Black Cherry	51	501.2	2.7
		Black Locust	687	1801.8	17.0
		Total	929	6119.5	54.3
291	22	American Elm	173	3456.2	26.4
		Black Cherry	57	560.2	10.3
		Black Locust	377	989.3	13.5
		Total	607	5005.7	50.2
291	23	American Elm	199	3977.1	36.0
		Black Locust	481	1261.3	14.1
		Total	680	5238.4	50.1
291	24	American Elm	287	5736.3	51.15
		Black Locust	76	203.1	3.5
		Black Walnut	29	209.7	4.75
		Total	392	6149.1	59.4

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
291	25	American Elm	42	838.7	10.5
		Black Locust	292	766.6	12.6
		Black Walnut	15	108.1	1.65
		Tulip Poplar	2	72.1	0.45
		Total	351	1785.5	25.2
291	26	American Elm	111	2217.9	18.45
		Black Cherry	313	3076.2	23.4
		Black Locust	72	190.0	2.3
		Spanish Oak	3	62.2	1.0
		Sweet Gum	9	173.6	2.0
		Tulip Poplar	14	501.2	5.3
		Total	522	6221.1	52.45
291	27	American Elm	365	7295.6	60.2
		Black Locust	270	707.6	9.55
		Total	635	8003.2	69.75
291	28	American Elm	212	4235.9	31.4
		Black Locust	730	1913.2	19.45
		Black Walnut	18	131.0	2.3
		Total	960	6280.1	53.15
291	29	American Elm	433	8651.9	72.35
		Black Locust	841	2204.7	29.6
		Black Oak	1	29.5	0.3
		Total	1275	10886.1	102.25
291	30	American Elm	336	6715.8	66.3
		Black Locust	276	724.0	8.2
		Chestnut Oak	9	196.6	0.8
		Total	621	7636.4	75.3
291	51	American Elm	2	39.3	0.7
		Black Cherry	7	68.8	0.5
		Sassafras	13	288.3	2.35
		Sweet Gum	6	114.7	1.25
		Total	28	511.1	4.8
291	52	Black Oak	2	59.0	0.55
		Dogwood	238	4095.0	51.75
		Sassafras	5	111.4	1.0
		Sweet Gum	1	19.7	0.35
		Total	246	4285.1	53.65

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
291	53	Sassafras	102	2273.5	21.5
		Sweet Gum	29	553.6	5.0
		Total	131	2827.1	26.5
291	54	Black Cherry	1	9.8	0.2
		Sweet Gum	17	324.3	4.2
		Total	18	334.1	4.4
291	55	Black Cherry	40	393.1	3.3
		Persimmon	613	11004.1	96.7
		Sweet Gum	49	936.9	8.6
		Total	702	12334.1	108.6
291	56	Black Cherry	16	157.2	1.3
		Persimmon	4	72.1	0.75
		Red Maple	5	88.4	0.8
		Total	25	317.7	2.85
291	57	Persimmon	9	160.5	1.45
		Sweet Gum	85	1624.9	12.6
		Total	94	1785.4	14.05
291	58	Black Cherry	3	29.5	0.6
		Box Elder	316	1926.3	32.65
		Persimmon	232	4163.8	27.0
		Sweet Gum	131	2506.1	34.15
		Total	682	8625.7	94.4
291	59	American Elm	18	360.4	6.2
		Black Cherry	191	1877.1	14.9
		Persimmon	491	8815.7	42.95
		Spanish Oak	1	19.7	0.1
		Sweet Gum	102	1952.5	24.5
		Total	803	13025.4	88.65
291	60	American Elm	10	199.8	1.8
		Red Maple	20	357.1	1.5
		Sassafras	11	245.7	2.5
		Sweet Gum	78	1493.9	11.55
		Tulip Poplar	224	8042.6	78.65
		Total	343	10339.1	96.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
295	1	Beech	74	969.7	5.7
		Black Oak	28	805.9	18.5
		Red Maple	24	429.2	2.5
		Spanish Oak	21	439.0	5.15
		Tupelo	73	1271.1	13.5
		White Oak	59	1189.2	14.2
		Total	279	5104.1	59.55
295	2	Black Oak	30	864.9	16.6
		Spanish Oak	51	1068.0	14.8
		Tupelo	74	1290.7	11.2
		White Oak	74	1493.9	15.8
		Total	229	4717.5	58.4
295	3	Black Oak	35	1009.0	22.0
		Spanish Oak	78	1631.4	19.5
		Tupelo	96	1674.0	15.4
		White Oak	92	1857.5	22.1
		Total	301	6171.9	79.0
295	4	Beech	118	1546.3	11.8
		Black Oak	26	750.2	20.6
		Red Maple	35	622.4	6.6
		Spanish Oak	2	42.6	1.0
		Tupelo	101	1759.2	19.7
		White Oak	23	465.2	5.2
		Total	305	5185.9	64.9
295	5	Beech	239	3131.9	26.5
		Black Oak	105	3027.0	71.0
		Red Maple	13	232.6	2.5
		Tupelo	61	1064.7	11.1
		White Oak	41	828.8	11.1
		Total	459	8285.0	122.2
295	6	Beech	59	773.1	6.1
		Black Oak	61	1759.2	39.7
		Chestnut Oak	19	416.0	8.5
		Spanish Oak	2	42.6	0.3
		Sweet Gum	22	419.3	3.75
		Tupelo	123	2142.5	22.7
		White Oak	100	2018.0	29.1
		Total	386	7570.7	110.15

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
295	7	Beech	7	91.7	1.0
		Black Oak	115	3315.3	68.6
		Dogwood	12	206.4	1.5
		Hickory	15	186.7	3.7
		Red Maple	38	678.1	4.6
		Spanish Oak	51	1068.0	12.0
		Sweet Gum	17	324.3	3.4
		Tupelo	12	209.7	1.8
		White Oak	97	1959.0	27.4
		Total	364	8039.2	124.0
295	8	Black Oak	53	1526.6	28.2
		Chestnut Oak	12	262.0	5.1
		Red Maple	15	268.6	1.9
		Spanish Oak	6	124.4	1.7
		Tupelo	75	1307.1	13.5
		White Oak	46	927.1	9.6
Total		207	4415.8	60.0	
295	9	Beech	43	563.4	5.7
		Black Oak	21	606.1	10.2
		Chestnut Oak	22	481.6	7.9
		Red Maple	11	196.7	1.4
		Spanish Oak	5	104.8	1.7
		Tupelo	52	907.4	12.0
		White Oak	78	1572.5	19.1
Total		232	4432.6	58.0	
295	10	Beech	15	196.6	1.2
		Black Oak	29	835.4	18.5
		Chestnut Oak	38	832.1	14.1
		Spanish Oak	2	42.6	0.5
		Tupelo	95	1654.4	39.5
		White Oak	87	1755.9	18.2
Total		266	5317.0	92.0	
295	41	Black Cherry	78	766.6	7.1
		Sweet Cherry	30	491.4	4.0
		Sweet Gum	25	478.3	3.2
		Tulip Poplar	6	216.2	0.9
Total		139	1952.5	15.2	

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
295	42	Black Cherry	3	29.5	0.1
		Persimmon	12	216.2	1.4
		Sweet Gum	254	4858.3	53.55
		Tulip Poplar	4	144.1	0.5
		Total	273	5248.1	55.55
295	43	Black Cherry	29	285.0	1.6
		Persimmon	26	465.2	5.65
		Sweet Gum	41	783.0	6.3
		Total	96	1533.2	13.55
295	44	Black Cherry	52	511.1	2.0
		Black Oak	5	144.1	0.75
		Persimmon	92	1651.1	16.2
		Sweet Gum	32	612.6	4.45
		Total	181	2918.9	23.4
295	45	Black Cherry	100	982.8	10.35
		Black Oak	9	258.8	1.7
		Dogwood	2	36.0	0.2
		Pin Oak	4	81.9	0.75
		Sweet Gum	59	1130.2	7.1
		Tulip Poplar	25	897.6	5.15
		Total	199	3387.3	25.25
295	46	Black Cherry	5	49.1	0.5
		Persimmon	1	16.4	0.3
		Sweet Gum	123	2352.2	23.9
		Total	129	2417.7	24.7
295	47	Black Cherry	60	589.7	6.7
		Sweet Gum	110	2103.2	18.3
		Tulip Poplar	7	252.2	0.75
		Total	177	2945.1	25.75
295	48	Persimmon	29	520.9	4.0
		Sweet Gum	49	936.9	6.9
		Tulip Poplar	169	6067.1	52.3
		Total	247	7524.9	63.2
295	49	Black Cherry	43	422.6	2.7
		Persimmon	3	52.4	0.25
		Sweet Gum	60	1146.6	7.7
		Total	106	1621.6	10.65

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
295	50	Black Cherry	305	2997.5	15.9
		Sweet Gum	70	1339.9	11.1
		Tulip Poplar	8	288.3	2.0
		Total	383	4625.7	29.0
296	31	Beech	312	6234.2	35.9
		Black Oak	20	576.6	10.7
		Hickory	20	439.0	3.6
		Spanish Oak	49	1025.4	11.7
		Sweet Gum	68	1670.8	28.75
		Tulip Poplar	3	117.9	0.55
		Total	472	10063.9	91.2
296	32	Beech	283	5654.4	38.9
		Black Oak	5	144.1	1.65
		Dogwood	5	65.5	0.5
		Northern Red Oak	1	29.5	0.55
		Spanish Oak	20	419.3	5.7
		Sweet Gum	54	1326.8	16.35
		Tulip Poplar	13	507.8	4.0
		White Oak	11	222.8	3.35
		Total	392	8370.2	71.0
296	33	Beech	131	2617.5	11.5
		Black Oak	28	805.9	13.3
		Hickory	5	111.4	1.85
		Spanish Oak	61	1277.6	16.15
		Sweet Gum	11	271.9	2.8
		Tulip Poplar	38	1480.7	17.05
		Total	274	6565.0	62.65
296	34	Beech	166	3318.6	18.2
		Black Oak	4	114.7	1.7
		Spanish Oak	35	733.8	13.6
		Tulip Poplar	73	2846.8	20.0
		Tupelo	3	52.4	0.55
		White Oak	16	324.3	4.0
		Total	297	7390.6	58.05

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
296	35	Beech	642	12828.8	75.55
		Hickory	5	111.4	1.55
		Hornbeam	3	16.4	0.05
		Spanish Oak	15	314.5	4.05
		Tulip Poplar	19	740.4	4.35
		Virginia Pine	39	127.8	0.7
		White Oak	2	39.3	0.45
		Total	725	14178.6	86.7
296	36	Beech	265	5297.3	31.0
		Black Oak	7	203.1	4.0
		Hickory	15	330.9	3.85
		Spanish Oak	89	1864.0	29.45
		Sweet Gum	21	517.6	5.85
		Tulip Poplar	46	1792.0	14.9
		Total	443	10004.9	89.05
296	37	Beech	410	8193.3	46.15
		Black Oak	2	59.0	0.8
		Spanish Oak	129	2699.4	32.95
		Sweet Gum	17	419.3	5.0
		Tulip Poplar	18	701.1	5.35
		Total	576	12072.1	90.25
296	38	Beech	555	11092.5	77.5
		Black Oak	8	229.3	4.5
		Hickory	4	88.4	1.4
		Tulip Poplar	3	117.9	1.1
		Virginia Pine	46	150.7	0.75
		White Oak	15	301.4	4.25
		Total	631	11980.2	89.5
296	39	Beech	207	4137.6	24.8
		Black Oak	12	340.7	8.5
		Dogwood	3	39.3	0.25
		Hickory	20	439.0	5.2
		Spanish Oak	82	1716.6	28.9
		Sweet Gum	7	173.6	2.9
		Tulip Poplar	43	1677.3	13.1
		Tupelo	2	36.0	0.35
		White Oak	3	59.0	0.55
		Total	379	8619.1	84.55

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
296	40	Beech	285	5697.0	33.45
		Black Oak	8	229.3	4.0
		Hickory	22	481.6	6.4
		Sweet Gum	72	1769.0	19.8
		Tulip Poplar	9	350.5	2.8
		White Oak	43	868.1	20.55
		Total	439	9395.5	87.0
296	71	Red Maple	1	19.7	0.1
296	72	Black Willow	13	144.1	0.5
296	73	Beech	1	19.7	0.01
		Black Willow	14	154.0	0.6
		Pin Oak	1	19.7	0.05
		Sycamore	1	16.4	0.2
		Total	17	209.8	0.86
296	74	Black Cherry	2	16.4	0.15
		Red Maple	46	828.8	6.65
		Tulip Poplar	1	39.3	0.05
		Total	49	884.5	6.85
296	77	Black Cherry	3	22.9	0.1
		Red Maple	20	360.4	3.6
		Spanish Oak	6	124.5	2.0
		Sweet Gum	3	75.3	1.7
		Tulip Poplar	3	117.9	0.75
		Total	35	701.0	8.15
296	78	Black Oak	1	29.5	0.2
		Persimmon	1	13.1	0.1
		Sweet Gum	2	49.1	0.65
		Total	4	91.7	0.95
296	79	Black Oak	1	29.5	0.3
		Black Willow	13	144.1	0.4
		Red Maple	7	127.8	1.4
		Sweet Gum	3	75.3	0.4
		Sycamore	3	154.0	2.1
		Total	27	530.7	4.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
296	80	Black Oak	7	203.1	1.15
		Pin Oak	4	81.9	1.3
		Red Maple	2	36.0	0.2
		Sweet Gum	2	49.1	0.4
		Total	15	370.1	3.05
297	11	Black Oak	2	59.0	0.7
		Dogwood	6	78.6	0.9
		Red Maple	16	288.3	1.1
		Sweet Gum	57	1402.1	10.0
		Tulip Poplar	79	3079.4	24.4
		White Oak	6	121.2	0.8
		Total	166	5028.6	37.9
297	12	Beech	49	979.5	4.9
		Black Oak	14	402.9	9.4
		Dogwood	15	196.6	2.2
		Hickory	25	550.4	5.4
		Sweet Gum	34	835.4	7.4
		Tulip Poplar	21	819.0	6.7
		Tupelo	3	52.4	0.5
		White Oak	11	222.8	3.8
		Total	172	4059.0	40.3
297	13	Beech	37	740.4	4.4
		Black Oak	9	258.8	5.4
		Dogwood	5	65.5	0.7
		Hickory	10	219.5	1.6
		Sweet Gum	50	1228.5	9.4
		Sycamore	1	42.6	0.5
		Tulip Poplar	96	3741.2	27.5
		Tupelo	5	88.4	1.0
		Total	213	6384.9	50.5
297	14	Beech	83	1657.7	25.2
		Black Oak	15	432.4	8.4
		Dogwood	2	26.2	0.2
		Red Maple	2	36.0	0.3
		Spanish Oak	4	85.2	1.2
		Tulip Poplar	21	819.0	6.5
		Tupelo	4	68.8	0.5
		White Oak	69	1392.3	11.8
		Total	200	4517.6	54.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
297	15	Beech	33	658.5	4.4
		Black Cherry	3	22.9	0.2
		Dogwood	30	393.1	4.9
		Hickory	26	570.0	5.8
		Hornbeam	11	62.2	0.5
		Red Maple	22	396.4	5.9
		Spanish Oak	2	42.6	0.7
		Sassafras	1	59.0	0.6
		Sweet Gum	401	9854.2	137.1
		Tulip Poplar	6	232.6	2.3
		Tupelo	8	140.9	1.0
		Virginia Pine	23	75.3	0.6
		White Oak	29	586.4	8.3
		Total	595	13094.1	172.3
297	16	Beech	125	2499.6	14.5
		Black Oak	27	779.7	18.4
		Dogwood	14	183.5	1.5
		Hickory	26	570.0	5.9
		Hornbeam	54	304.7	1.7
		Spanish Oak	54	1130.2	15.2
		Sweet Gum	25	615.9	5.6
		Tupelo	2	36.0	0.7
		Virginia Pine	14	45.9	0.3
		White Oak	16	324.3	3.7
		Total	357	6489.8	67.5
297	17	Beech	42	838.7	6.3
		Black Oak	36	1038.5	27.0
		Black Cherry	12	95.0	0.4
		Dogwood	21	275.2	2.0
		Hickory	13	285.0	2.0
		Hornbeam	14	78.6	0.3
		Post Oak	3	117.9	1.9
		Spanish Oak	83	1736.3	31.3
		Sweet Gum	170	4176.9	45.8
		Tupelo	6	104.8	1.1
		Virginia Pine	47	154.0	0.7
		White Oak	14	281.7	3.9
		Total	461	9182.6	122.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
297	18	Black Oak	31	894.3	12.3
		Dogwood	38	497.9	5.6
		Spanish Oak	150	3141.7	39.7
		Sweet Gum	42	1031.9	11.5
		White Oak	22	445.5	5.3
		Total	283	6011.3	74.4
297	19	Beech	11	219.5	1.4
		Black Oak	7	203.1	5.5
		Chestnut Oak	8	173.6	3.8
		Dogwood	45	589.7	7.2
		Hickory	11	242.4	2.9
		Red Maple	5	91.7	0.7
		Spanish Oak	68	1425.1	16.5
		Sweet Gum	53	1303.8	9.6
		Tulip Poplar	10	389.8	3.8
		Tupelo	2	36.0	0.6
		White Oak	63	1271.1	15.8
		Total	283	5945.8	67.8
297	20	Beech	108	2158.9	15.3
		Black Oak	1	29.5	0.9
		Dogwood	7	91.7	0.8
		Hickory	8	176.9	1.7
		Spanish Oak	44	920.6	9.4
		Sweet Gum	50	1228.5	17.9
		Tupelo	109	1900.1	24.2
		Total	327	6506.2	70.2
297	61	Pin Oak	4	81.9	5.0
		Red Maple	44	792.8	5.1
		Sweet Gum	28	688.0	7.0
		Tulip Poplar	23	897.6	11.2
		Total	99	2460.3	28.3
297	62	Black Cherry	3	22.9	0.2
		Pin Oak	210	4347.2	36.0
		Red Maple	66	1189.2	8.0
		Sweet Gum	13	321.0	6.7
		Total	292	5880.3	50.9
297	63	Black Cherry	11	85.2	1.0
		Pin Oak	5	104.8	1.0
		Total	16	190.0	2.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
297	64	Black Cherry	13	101.6	0.5
		Persimmon	4	52.4	0.5
		Red Maple	125	2253.9	19.0
		Sweet Gum	103	2532.3	37.0
		Tulip Poplar	2	78.6	1.0
		Total	247	5018.8	58.0
297	65	Sweet Gum	13	321.0	4.0
		Tulip Poplar	3	117.9	0.5
		Total	16	438.9	4.5
297	66	Black Cherry	124	976.2	10.4
		Persimmon	16	216.2	2.0
		Sweet Gum	2	49.1	0.6
		Total	142	1241.5	13.0
297	67	American Elm	13	242.4	2.0
		Black Oak	23	661.7	6.0
		Red Maple	40	720.7	7.5
		Sweet Gum	6	147.4	2.0
		Total	82	1772.2	17.5
297	68	Black Cherry	40	314.5	2.7
		Black Oak	8	229.3	1.0
		Red Maple	324	5837.8	59.0
		Sweet Gum	17	419.3	6.0
		Total	389	6800.9	68.7
297	69	Black Cherry	5	39.3	0.2
		Sweet Gum	6	147.4	0.8
		Total	11	186.7	1.0
297	70	Black Cherry	25	196.6	3.5
		Persimmon	4	52.4	0.5
		Sweet Gum	148	3636.4	38.0
		Total	177	3885.4	42.0
298	21	American Elm	22	409.5	4.0
		Black Cherry	18	140.9	1.0
		Black Locust	309	809.2	11.9
		Total	349	1359.6	16.9
298	22	American Elm	17	317.8	3.0
		Black Cherry	40	314.5	3.0
		Black Locust	58	150.7	2.0
		Total	115	783.0	8.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
298	23	American Elm	13	242.4	4.0
		Black Locust	50	131.0	1.5
		Total	63	373.4	5.5
298	24	American Elm	16	298.1	3.0
		Black Locust	15	39.3	0.5
		Black Walnut	2	13.1	1.0
		Tulip Poplar	7	27.9	3.0
		Total	40	378.4	7.5
298	25	American Elm	2	36.0	0.2
		Black Locust	27	72.1	1.5
		Total	29	108.1	1.7
298	26	American Elm	6	111.4	1.5
		Black Cherry	55	432.4	5.0
		Black Locust	22	59.0	0.3
		Red Maple	1	19.7	0.1
		Sweet Gum	30	737.1	5.0
		Tulip Poplar	25	976.2	11.9
		Total	139	2335.8	23.8
298	27	American Elm	73	1362.8	12.5
		Black Locust	64	167.1	2.0
		Total	137	1529.9	14.5
298	28	American Elm	18	337.4	2.5
		Black Locust	191	501.2	6.0
		Sweet Gum	1	26.2	0.2
		Total	210	864.8	8.7
298	29	American Elm	60	1120.4	12.05
		Black Locust	68	176.9	2.0
		Total	128	1297.3	14.05
298	30	American Elm	29	540.5	7.0
		Black Locust	96	252.2	3.0
		Sweet Gum	3	75.3	0.2
		Total	128	868.0	10.2
298	51	Red Maple	3	55.7	0.4
		Sassafras	3	65.5	2.4
		Sweet Gum	4	98.3	1.0
		Total	10	219.5	3.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
298	52	Black Cherry	5	39.3	0.5
		Dogwood	32	419.3	7.0
		Pin Oak	5	104.8	1.0
		Sassafras	2	45.9	0.3
		Sweet Gum	17	419.3	4.7
		Total	61	1028.6	13.5
298	53	Persimmon	6	81.9	2.7
		Sassafras	17	380.0	3.0
		Sweet Gum	10	245.7	5.4
		Total	33	707.6	11.1
298	54	Black Cherry	2	16.4	0.2
		Sweet Gum	5	124.5	5.0
		Total	7	140.9	5.2
298	55	Black Cherry	5	39.3	0.5
		Dogwood	5	65.5	2.5
		Persimmon	28	376.7	8.5
		Sweet Gum	29	714.2	12.0
		Total	67	1195.7	23.5
298	56	Black Cherry	2	16.4	0.5
		Red Maple	4	72.1	0.9
		Sassafras	1	22.9	0.2
		Total	7	111.4	1.6
298	57	Persimmon	4	52.4	0.5
		Sweet Gum	31	763.3	9.0
		Tulip Poplar	1	39.3	1.0
		Total	36	855.0	10.5
298	58	Black Cherry	2	16.4	0.3
		Box Elder	40	242.4	5.0
		Persimmon	153	2054.0	16.5
		Sweet Gum	123	3023.7	49.0
		Tulip Poplar	1	39.3	1.0
		Total	319	5375.8	71.8
298	59	Black Cherry	38	298.1	4.2
		Persimmon	28	376.7	4.5
		Spanish Oak	2	42.6	0.05
		Sweet Gum	25	615.9	10.5
		Total	93	1333.3	19.25

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
298	60	American Elm	2	36.0	0.3
		Black Cherry	1	6.5	0.2
		Red Maple	21	380.0	2.5
		Sassafras	1	22.9	0.05
		Sweet Gum	75	1844.4	29.9
		Tulip Poplar	23	897.6	8.8
		Total	123	3187.4	41.75
302	1	Beech	265	5297.3	22.3
		Black Oak	19	547.1	9.75
		Red Maple	50	900.9	7.6
		Spanish Oak	2	42.6	0.3
		Tupelo	10	173.6	1.45
		White Oak	70	1412.0	21.1
		Total	416	8373.5	62.5
302	2	Black Oak	8	229.3	4.3
		Scarlet Oak	25	835.4	12.9
		Spanish Oak	36	753.5	8.3
		Tupelo	16	278.5	2.85
		White Oak	121	2440.6	29.9
		Total	206	4537.3	58.25
302	3	Black Oak	11	317.8	5.25
		Dogwood	3	39.3	0.45
		Red Maple	1	19.7	0.15
		Scarlet Oak	8	268.6	3.5
		Spanish Oak	110	2303.0	29.1
		Sweet Gum	4	98.3	0.75
		Tupelo	25	435.7	4.75
		White Oak	171	3449.6	44.9
		Total	333	6932.0	88.85
302	4	Beech	115	2299.7	11.5
		Black Oak	11	317.8	6.7
		Chestnut Oak	1	22.9	0.5
		Red Maple	107	1929.6	15.1
		Scarlet Oak	11	366.9	4.6
		Spanish Oak	2	42.6	0.65
		Tupelo	24	419.3	4.55
		Virginia Pine	49	160.5	1.0
		White Oak	28	563.5	6.9
		Total	348	6122.8	51.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
302	5	Beech	13	258.8	1.5
		Black Oak	25	720.7	18.35
		Chestnut Oak	1	22.9	0.45
		Red Maple	24	432.4	4.85
		Scarlet Oak	62	2070.4	27.9
		Sweet Gum	5	124.5	0.6
		Tupelo	40	697.8	9.0
		White Oak	80	1615.1	17.05
		Total	250	5942.6	79.7
302	6	Beech	4	78.6	0.4
		Black Oak	17	491.4	8.9
		Chestnut Oak	8	173.6	3.85
		Red Maple	6	108.1	0.7
		Scarlet Oak	3	101.6	2.2
		Sweet Gum	7	173.6	2.9
		Tupelo	25	435.7	3.45
		White Oak	86	1736.3	26.2
		Total	156	3298.9	48.6
302	7	Beech	49	979.5	4.4
		Black Oak	40	1153.1	21.6
		Dogwood	14	183.5	1.7
		Red Maple	15	271.9	1.9
		Scarlet Oak	36	1202.3	12.9
		Spanish Oak	18	376.7	3.3
		Sweet Gum	15	370.2	3.6
		Tupelo	36	629.0	6.5
		White Oak	107	2158.9	26.9
		Total	330	7325.1	82.8
302	8	Black Oak	39	1123.7	16.5
		Chestnut Oak	3	65.5	1.0
		Red Maple	19	344.0	4.0
		Scarlet Oak	43	1438.2	22.6
		Tupelo	29	504.5	6.5
		Virginia Pine	35	114.7	0.7
		White Oak	63	1271.1	14.0
		Total	231	4861.7	65.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
302	9	Beech	102	2037.7	13.4
		Black Oak	3	85.2	2.2
		Chestnut Oak	14	307.9	6.0
		Red Maple	34	612.6	5.2
		Scarlet Oak	4	134.3	1.9
		Tupelo	13	226.0	1.9
		Virginia Pine	15	49.1	0.3
		White Oak	108	2178.5	28.65
		Total	293	5631.3	59.55
302	10	Beech	8	160.5	0.8
		Black Oak	53	1526.6	29.35
		Chestnut Oak	27	589.7	7.6
		Tupelo	49	855.0	8.9
		White Oak	93	1877.1	19.2
		Total	230	5008.9	65.85
302	41	Black Cherry	41	321.0	4.1
		Sweet Cherry	6	85.2	0.65
		Sweet Gum	108	2653.6	24.7
		Total	155	3059.8	29.45
302	42	Black Cherry	6	45.9	0.6
		Dogwood	3	39.3	0.4
		Red Maple	5	91.7	0.7
		Tulip Poplar	11	429.2	8.4
		Sweet Gum	55	1353.0	19.2
		Total	80	1959.1	29.3
302	43	Black Cherry	81	635.5	6.7
		Red Maple	11	199.8	1.45
		Sweet Gum	74	1818.2	18.6
		Tulip Poplar	6	216.2	2.75
		Total	172	2869.7	29.5
302	44	Black Cherry	122	959.9	8.2
		Scarlet Oak	7	-	1.0
		Sweet Gum	49	1205.6	16.5
		Tulip Poplar	5	195.6	2.2
		Total	183	2361.1	27.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
302	45	Black Cherry	39	307.9	4.2
		Dogwood	6	78.6	0.65
		Red Maple	15	271.9	1.8
		Sweet Gum	92	2260.4	27.0
		Tulip Poplar	21	819.0	7.15
		Total	173	3737.8	40.8
302	46	Sweet Gum	101	2483.2	45.55
		Tulip Poplar	5	196.6	1.8
		Total	106	2679.8	47.35
302	47	Black Cherry	37	291.6	4.3
		Dogwood	4	52.4	0.6
		Sweet Gum	250	6142.5	98.3
		Tulip Poplar	3	117.9	0.55
		Total	294	6604.4	103.75
302	48	Sweet Gum	43	1058.1	15.7
		Tulip Poplar	74	2886.2	38.1
		Total	117	3944.3	53.8
302	49	Black Cherry	132	1038.5	13.1
		Sweet Gum	219	5382.5	66.6
		Tulip Poplar	5	196.6	3.3
		Total	356	6617.6	83.0
302	50	Black Cherry	66	517.6	10.9
		Sweet Gum	221	5431.6	40.55
		Tulip Poplar	15	586.4	6.5
		Total	302	6535.6	57.95
303	31	Beech	301	6014.7	29.1
		Black Oak	15	432.4	8.0
		Hickory	23	504.5	5.4
		Scarlet Oak	11	366.9	5.3
		Spanish Oak	32	668.3	8.9
		Sweet Gum	19	468.5	10.1
		Tulip Poplar	9	350.5	2.0
		Virginia Pine	11	36.0	0.3
		White Oak	8	160.5	3.4
		Total	429	9002.3	72.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
303	32	Beech	340	6794.4	38.2
		Black Oak	7	203.1	2.7
		Chestnut Oak	2	42.6	0.5
		Dogwood	31	406.2	3.6
		Hickory	11	242.4	0.7
		Scarlet Oak	6	199.8	2.7
		Spanish Oak	43	900.9	11.3
		Sweet Gum	138	3390.7	50.1
		Tulip Poplar	5	196.6	1.6
		White Oak	19	383.3	6.5
	Total	602	12760.0	117.9	
303	33	Beech	242	4835.4	36.2
		Black Oak	56	1615.1	22.7
		Hickory	5	111.4	1.7
		Red Maple	8	144.1	0.5
		Spanish Oak	106	2217.8	28.7
		Sweet Gum	33	812.4	7.9
		Tulip Poplar	19	740.4	5.4
		Total	469	10476.6	103.1
303	34	Beech	435	8694.5	42.8
		Black Oak	10	288.3	6.6
		Spanish Oak	70	1464.4	27.2
		Tulip Poplar	131	5107.3	43.5
		Virginia Pine	16	52.4	0.3
		White Oak	15	301.4	3.0
		Total	677	15908.3	123.4
303	35	Beech	442	8832.1	49.0
		Chestnut Oak	1	22.9	0.5
		Dogwood	3	39.3	0.2
		Hickory	5	111.4	2.2
		Red Maple	1	19.7	0.1
		Spanish Oak	36	753.5	11.3
		Sweet Gum	26	638.8	7.5
		Tulip Poplar	40	1559.4	14.5
		Virginia Pine	17	55.7	0.4
		White Oak	1	19.7	0.2
	Total	572	12052.5	85.9	

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
303	36	Beech	405	8095.0	43.9
		Chestnut Oak	10	219.5	3.5
		Hickory	41	900.9	7.8
		Spanish Oak	70	1464.4	20.9
		Sweet Gum	31	763.3	9.3
		Tulip Poplar	118	4599.5	33.9
		White Oak	2	39.3	0.5
		Total	677	16081.9	119.8
303	37	Beech	462	9231.8	57.6
		Black Oak	1	29.5	0.7
		Hickory	5	111.4	2.5
		Spanish Oak	194	4062.2	51.1
		Sweet Gum	9	222.8	3.5
		Tulip Poplar	38	1480.7	10.3
		Total	709	15138.4	125.7
303	38	Beech	539	10771.5	64.8
		Black Oak	28	805.9	24.1
		Hickory	3	65.5	1.0
		Spanish Oak	24	501.2	8.1
		Tulip Poplar	8	311.2	1.8
		White Oak	4	81.9	1.0
		Total	606	12537.2	100.8
303	39	Beech	365	7295.6	41.7
		Black Oak	28	805.9	20.6
		Dogwood	8	104.8	0.7
		Hickory	49	1074.5	9.8
		Spanish Oak	53	1110.6	16.9
		Sweet Gum	12	294.8	2.7
		Tulip Poplar	40	1559.4	8.0
		White Oak	8	160.5	1.0
		Total	563	12406.1	101.4
303	40	Beech	336	6715.8	46.8
		Dogwood	2	26.2	0.4
		Mockernut Hickory	25	550.4	5.9
		Scarlet Oak	4	134.3	2.4
		Sweet Gum	35	361.6	14.5
		Tulip Poplar	26	1012.3	8.8
		White Oak	40	805.9	20.8
		Total	468	10106.5	99.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
303	71	Red Maple	1	19.7	0.2
303	73	Black Willow	13	144.1	0.5
303	74	Red Maple	8	144.1	1.15
303	76	Black Willow	5	55.7	0.25
		Red Maple	1	19.7	0.1
		Total	6	75.4	0.35
303	77	Red Maple	9	163.8	0.75
		Spanish Oak	13	271.9	3.7
		Sweet Gum	3	75.3	1.05
		Tulip Poplar	2	78.6	0.5
		Total	27	589.6	6.0
303	78	Red Maple	1	19.7	0.1
		Scarlet Oak	3	101.6	0.35
		Total	4	121.3	0.45
303	79	Black Willow	13	144.1	0.3
		Red Maple	6	108.1	0.8
		Sweet Gum	2	49.1	0.3
		Sycamore	1	42.6	2.4
		Total	22	343.9	3.8
303	80	Persimmon	3	39.3	0.35
		Pin Oak	13	268.6	1.8
		Red Maple	2	36.0	0.2
		Sweet Gum	3	75.3	1.1
		Tulip Poplar	1	39.3	0.6
		Total	22	458.5	4.05
304	11	Beech	129	2578.2	6.2
		Dogwood	43	563.5	4.0
		Hickory	42	920.6	5.45
		Red Maple	46	828.8	4.6
		Scarlet Oak	2	65.5	1.4
		Sweet Gum	31	763.3	3.4
		Sycamore	2	85.2	1.2
		Tulip Poplar	204	7954.1	71.2
		White Oak	9	180.2	1.2
		Total	508	13939.4	98.65

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
304	12	Beech	174	3475.8	15.5
		Black Oak	20	576.6	24.1
		Dogwood	44	576.6	4.9
		Hickory	28	615.9	4.9
		Red Maple	204	3675.7	46.9
		Scarlet Oak	12	399.7	6.9
		Sweet Gum	20	491.4	4.6
		Tulip Poplar	57	2221.1	17.0
		White Oak	12	242.4	3.0
		Total	571	12275.2	127.8
304	13	Beech	309	6175.3	29.6
		Black Oak	15	432.4	12.2
		Dogwood	18	235.9	2.0
		Hickory	10	219.5	1.7
		Red Maple	15	271.9	8.5
		Sweet Gum	66	1621.6	15.0
		Sycamore	3	127.8	1.1
		Tulip Poplar	256	9978.7	83.35
		Tupelo	9	157.2	1.0
		White Oak	2	39.3	0.5
		Total	703	19259.6	154.95
304	14	Beech	175	3498.8	21.6
		Black Oak	33	950.0	25.4
		Hickory	9	196.6	2.3
		Red Maple	3	55.7	0.4
		Spanish Oak	40	838.7	11.1
		Sweet Gum	1	26.2	0.4
		Tulip Poplar	2	78.6	1.0
		White Oak	139	2804.3	20.8
		Total	402	8448.9	83.0
304	15	Beech	51	1018.8	6.5
		Black Oak	8	229.3	6.7
		Dogwood	70	917.3	9.3
		Hickory	27	593.0	6.8
		Hornbeam	8	45.9	0.4
		Post Oak	14	340.7	4.8
		Red Maple	92	1657.7	21.25
		Sassafras	5	111.4	0.4
		Spanish Oak	8	167.1	1.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
304	15	Sweet Gum	191	4694.5	76.8
		Tulip Poplar	5	196.6	2.4
		Tupelo	4	68.8	0.5
		White Oak	71	1431.6	17.6
		Total	554	11472.7	155.05
304	16	Beech	123	2457.0	14.85
		Black Oak	26	750.2	18.4
		Dogwood	23	301.4	1.6
		Hickory	14	307.9	1.8
		Hornbeam	164	923.8	4.7
		Spanish Oak	97	2031.1	26.3
		Sweet Gum	34	835.4	8.1
		White Oak	56	1130.2	14.5
		Total	537	8737.0	90.25
304	17	Beech	39	779.7	4.6
		Black Cherry	4	32.7	0.1
		Black Oak	32	923.8	24.05
		Dogwood	60	786.2	5.8
		Hickory	7	154.0	1.1
		Hornbeam	13	72.1	0.3
		Post Oak	1	22.9	0.8
		Spanish Oak	55	1153.1	15.9
		Sweet Gum	95	2335.8	23.9
		Tupelo	2	36.0	0.6
		Virginia Pine	43	140.9	0.6
		White Oak	47	950.0	12.65
		Total	398	7387.2	90.4
304	18	Black Oak	77	2221.1	52.8
		Dogwood	84	1100.7	10.4
		Spanish Oak	317	6637.2	81.15
		Sweet Gum	58	1425.1	16.25
		White Oak	31	625.7	20.5
		Total	567	12009.8	181.1
304	19	Beech	52	1038.5	7.0
		Black Oak	17	491.4	12.0
		Chestnut Oak	30	655.2	19.6
		Dogwood	47	615.9	5.3
		Hickory	5	111.4	1.3
		Red Maple	77	1389.0	11.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
304	19	Spanish Oak	111	2322.7	32.0
		Sweet Gum	104	2555.3	25.9
		Tulip Poplar	6	232.6	1.4
		White Oak	130	2624.1	32.9
		Total	579	12036.1	149.2
304	20	Beech	219	4376.7	29.6
		Black Oak	2	59.0	1.9
		Dogwood	28	366.9	3.7
		Hickory	33	724.0	4.0
		Spanish Oak	77	1611.8	19.35
		Sweet Gum	62	1523.3	23.1
		Tupelo	31	540.5	8.9
		Virginia Pine	25	81.9	0.6
		White Oak	18	366.9	3.3
		Total	495	9651.0	94.45
304	61	American Elm	1	19.7	0.2
		Red Maple	131	2362.0	15.0
		Scarlet Oak	10	334.1	2.2
		Sweet Gum	6	147.4	3.0
		Total	148	2863.2	20.4
304	62	Pin Oak	298	6168.7	48.5
		Red Maple	140	2522.5	15.4
		Sweet Gum	14	343.9	2.65
		Total	452	9035.1	66.55
304	63	Red Maple	1	19.7	0.1
		Scarlet Oak	1	32.8	0.5
		Total	2	52.5	0.6
304	64	Black Cherry	49	386.6	4.15
		Red Maple	119	2145.8	12.3
		Sweet Gum	21	517.6	12.55
		Tulip Poplar	2	78.6	0.8
		Total	191	3128.6	29.8
304	65	Red Maple	1	19.7	0.1
		Sweet Gum	27	665.0	9.6
		Tulip Poplar	2	78.6	0.1
		Total	30	763.3	9.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
304	66	Black Cherry	78	612.6	9.2
		Pin Oak	1	19.7	0.1
		Scarlet Oak	1	32.8	0.2
		Total	80	665.1	9.5
304	67	American Elm	27	504.5	5.1
		Pin Oak	17	350.5	3.35
		Red Maple	131	2362.0	15.8
		Sweet Gum	37	910.7	11.85
		Total	212	4127.7	36.1
304	68	American Elm	17	317.8	3.85
		Black Cherry	135	1061.4	9.6
		Red Maple	1078	19423.4	157.1
		Sweet Gum	16	393.1	7.0
		Total	1246	21195.7	177.55
304	70	American Elm	4	75.3	0.3
		Black Cherry	19	150.7	2.45
		Sassafras	1	22.9	0.1
		Sweet Gum	180	4422.6	64.75
		Total	204	4671.5	67.6
305	21	American Elm	88	1644.6	19.7
		Black Cherry	16	124.5	1.1
		Black Locust	1000	2620.8	34.7
		Total	1104	4389.9	55.5
305	22	American Elm	58	1084.4	11.9
		Black Cherry	60	471.7	5.1
		Black Locust	678	1775.6	28.5
		Total	796	3331.7	45.5
305	23	American Elm	20	373.5	4.1
		Black Cherry	5	39.3	0.4
		Black Locust	461	1208.8	17.3
		Total	486	1621.6	21.8
305	24	American Elm	9	167.1	2.35
		Black Locust	19	49.1	0.8
		Black Walnut	7	49.1	1.1
		Total	35	265.3	4.25

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
305	25	American Elm	3	55.7	0.5
		Black Locust	67	176.9	3.4
		Tulip Poplar	2	78.6	1.8
		Total	72	311.2	5.7
305	26	American Elm	75	1402.1	11.9
		Black Cherry	269	2116.3	27.05
		Black Oak	4	114.7	1.7
		Red Maple	25	452.1	4.3
		Spanish Oak	18	376.7	4.85
		Sweet Gum	18	442.3	2.9
		Tulip Poplar	42	1638.0	11.35
		Total	451	6542.2	64.05
305	27	American Elm	73	1362.8	15.2
		Black Locust	70	183.5	2.6
		Total	143	1546.3	17.8
305	28	American Elm	125	2335.8	20.3
		Black Locust	1010	2647.0	37.9
		Sweet Gum	3	75.3	0.6
		Total	1138	5058.1	58.8
305	29	American Elm	131	2447.2	22.3
		Black Locust	167	439.0	5.1
		Total	298	2886.2	27.4
305	30	American Elm	33	615.9	7.8
		Black Locust	112	294.8	4.8
		Chestnut Oak	26	570.0	4.5
		Sweet Gum	7	173.6	2.3
		Tulip Poplar	2	78.6	0.25
		Total	180	1732.9	19.65
305	51	Black Cherry	1	6.5	0.05
		Sweet Gum	4	98.3	0.9
		Total	5	104.8	0.95
305	52	Sassafras	4	88.4	0.7
		Sweet Gum	6	147.4	1.1
		Total	10	235.8	1.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
305	53	Black Cherry	3	22.9	0.2
		Sassafras	19	422.6	2.25
		Sweet Gum	7	173.6	2.0
		Total	29	619.1	4.45
305	54	Black Cherry	6	45.9	0.5
		Sweet Gum	8	196.6	3.15
		Total	14	242.5	3.65
305	55	Black Cherry	11	85.2	1.1
		Dogwood	19	249.0	2.4
		Persimmon	7	95.0	1.75
		Sweet Gum	97	2384.9	26.5
		Total	134	2814.1	31.75
305	56	Black Cherry	3	22.9	0.3
		Red Maple	4	72.1	0.3
		Sweet Gum	6	147.4	1.1
		Total	13	242.4	1.7
305	57	Black Cherry	2	16.4	0.25
		Sweet Gum	57	1402.1	17.85
		Total	59	1418.5	18.1
305	58	Box Elder	32	196.6	2.75
		Persimmon	16	216.2	2.9
		Sweet Gum	88	2162.2	31.6
		Total	136	2575.0	37.25
305	59	Black Cherry	16	124.5	1.8
		Persimmon	20	268.6	3.45
		Spanish Oak	18	376.7	6.55
		Sweet Gum	99	2434.1	34.0
		Total	153	3203.9	45.8
305	60	American Elm	4	75.3	0.9
		Red Maple	1086	19567.5	110.55
		Sweet Gum	249	6119.6	64.7
		Tulip Poplar	39	1520.1	14.25
		Total	1378	27282.5	190.4

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
309	1	Beech	49	979.5	3.8
		Black Oak	38	1094.2	24.5
		Red Maple	2	36.0	0.2
		Scarlet Oak	17	566.7	10.9
		Spanish Oak	1	19.7	0.25
		Tupelo	3	52.4	0.7
		White Oak	222	4481.6	63.0
		Total	332	7230.1	103.35
309	2	Black Oak	31	894.3	20.2
		Red Maple	2	36.0	0.3
		Scarlet Oak	91	3040.9	51.45
		Spanish Oak	53	1110.6	12.35
		Sweet Gum	1	26.2	0.4
		Tupelo	6	101.6	0.5
		White Oak	252	5084.3	71.9
		Total	436	10293.9	157.1
309	3	Black Oak	17	491.4	10.1
		Dogwood	10	131.0	1.2
		Hickory	7	154.0	1.3
		Red Maple	28	504.5	2.15
		Sassafras	7	157.2	1.15
		Scarlet Oak	4	134.3	0.8
		Spanish Oak	366	7662.6	89.6
		Sweet Gum	8	196.6	1.9
		Tupelo	6	104.8	0.8
		White Oak	194	3914.8	56.9
		Total	647	13451.2	165.9
309	4	Black Oak	25	737.1	21.7
		Red Maple	360	6486.5	48.85
		Scarlet Oak	43	1438.2	16.0
		Spanish Oak	14	291.6	3.85
		Virginia Pine	224	7338.2	3.9
		White Oak	70	1412.0	18.1
		Total	736	17703.6	112.4
309	5	Black Oak	27	779.7	18.75
		Red Maple	27	488.1	2.5
		Sassafras	7	157.2	1.0
		Scarlet Oak	30	1002.5	15.0
		Tupelo	19	330.9	3.15
		Virginia Pine	9	294.8	0.1
		White Oak	290	5850.9	79.1
		Total	409	8904.1	119.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
309	6	American Elm	1	19.7	0.1
		Black Oak	5	144.1	2.4
		Dogwood	3	39.3	0.45
		Red Maple	3	55.7	0.3
		Scarlet Oak	6	199.8	2.9
		Spanish Oak	5	104.8	0.8
		Tupelo	8	140.9	1.0
		White Oak	381	7688.8	107.8
		Total	412	8393.1	115.75
309	7	Black Oak	36	1038.5	16.15
		Dogwood	17	222.8	1.6
		Hickory	5	111.4	1.25
		Red Maple	114	2054.0	14.85
		Scarlet Oak	185	6181.8	70.55
		Spanish Oak	6	124.5	1.0
		Sweet Gum	4	98.3	1.45
		Tupelo	25	435.7	4.5
		White Oak	160	3226.9	60.75
Total	552	13493.9	172.1		
309	8	American Elm	6	111.4	0.7
		Black Oak	6	173.6	2.65
		Chestnut Oak	6	131.0	3.2
		Red Maple	70	1261.3	11.55
		Scarlet Oak	15	501.2	9.35
		Spanish Oak	15	314.5	5.7
		Tupelo	55	959.9	6.3
		Virginia Pine	180	5896.8	3.2
		White Oak	256	5166.2	60.8
Total	609	14515.9	103.45		
309	9	Beech	254	5074.5	28.9
		Chestnut Oak	5	108.1	1.3
		Red Maple	18	324.3	1.4
		Scarlet Oak	3	101.6	1.0
		Spanish Oak	8	167.1	1.75
		Tupelo	16	278.5	2.4
		White Oak	329	6640.4	75.75
		Total	633	12694.5	112.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
309	10	Beech	5	101.6	0.3
		Black Oak	24	691.2	9.8
		Chestnut Oak	7	154.0	1.5
		Spanish Oak	20	419.3	4.9
		White Oak	439	8697.8	86.6
		Total	495	10063.9	103.1
309	41	Black Cherry	150	1179.4	12.0
		Dogwood	3	39.3	0.5
		Sweet Cherry	56	789.5	4.4
		Sweet Gum	67	1647.8	23.1
		Tulip Poplar	1	39.3	0.3
		Total	277	3695.3	40.3
309	42	Black Cherry	8	62.2	0.85
		Sweet Gum	45	1107.3	14.1
		Tulip Poplar	6	232.6	2.35
		Total	59	1402.1	17.3
309	43	Black Cherry	267	2100.0	22.0
		Red Maple	12	216.2	1.6
		Sweet Gum	142	3488.9	42.5
		Sycamore	1	42.6	0.65
		Tulip Poplar	6	232.6	1.65
		Total	428	6080.3	68.4
309	44	Black Cherry	207	1628.2	16.6
		Persimmon	6	81.9	1.0
		Red Maple	3	55.7	0.4
		Scarlet Oak	11	366.9	1.75
		Sweet Gum	72	1769.0	24.9
		Tulip Poplar	9	350.5	3.75
		Total	308	4252.2	48.4
309	45	Black Cherry	28	219.5	2.8
		Red maple	55	992.6	6.8
		Sweet Gum	127	3122.0	35.5
		Tulip Poplar	14	547.1	3.1
		Total	224	4881.2	48.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
309	46	Black Cherry	3	22.9	0.75
		Sweet Gum	176	4 4.3	71.7
		Tulip Poplar	6	232.6	2.7
		Total	185	4579.8	75.15
309	47	Black Cherry	55	432.4	8.6
		Dogwood	35	458.6	5.25
		Sweet Gum	215	5284.2	61.05
		Total	305	6175.2	74.9
309	408	Sweet Gum	37	910.7	13.3
		Tulip Poplar	75	2925.5	21.0
		Total	112	3836.2	34.3
309	409	Black Cherry	280	2201.5	42.0
		Sweet Gum	293	7200.6	106.0
		Tulip Poplar	3	117.9	2.85
		Total	576	9520.0	150.85
309	50	Black Cherry	188	1477.5	17.65
		Sweet Gum	150	3685.5	59.8
		Tulip Poplar	6	232.6	3.65
		Total	344	5395.6	81.1
310	31	Beech	496	9913.2	47.3
		Black Oak	24	691.2	9.0
		Chestnut Oak	7	154.0	2.0
		Hickory	62	1359.5	11.3
		Scarlet Oak	44	1470.9	21.6
		Spanish Oak	175	3662.6	55.75
		Sweet Gum	6	147.4	2.7
		Tulip Poplar	17	661.7	3.5
		Virginia Pine	39	127.8	0.75
		White Oak	7	140.9	2.15
		Total	877	18329.2	156.05
310	32	Beech	602	12029.5	70.3
		Black Oak	10	288.3	2.4
		Dogwood	106	1389.0	12.0
		Hickory	43	943.5	9.6
		Scarlet Oak	17	566.7	6.75
		Spanish Oak	184	3852.6	52.95
		Sweet Gum	73	1795.2	25.0
		Tulip Poplar	22	858.3	7.5
		White Oak	53	1068.0	15.6
		Total	1110	22791.1	202.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
310	33	Beech	583	11649.5	61.9
		Black Oak	86	2479.9	30.35
		Hickory	19	416.0	4.85
		Red Maple	10	180.2	1.0
		Spanish Oak	155	3243.2	38.25
		Sweet Gum	34	835.4	10.6
		Tulip Poplar	19	740.4	4.0
		Virginia Pine	21	68.8	0.3
		White Oak	4	81.9	0.75
		Total	931	19695.3	152.0
310	34	Beech	530	10591.3	48.0
		Black Oak	7	203.1	4.0
		Hickory	78	1713.3	14.35
		Spanish Oak	204	4271.9	56.2
		Tulip Poplar	180	7017.2	48.3
		Virginia Pine	200	655.2	3.0
		White Oak	92	1857.5	21.6
		Total	1291	26309.5	195.45
310	35	Beech	517	10332.5	49.7
		Dogwood	5	65.5	0.4
		Hickory	56	1228.5	10.15
		Hornbeam	31	173.6	0.7
		Spanish Oak	83	1736.3	23.75
		Sweet Gum	92	2260.4	27.0
		Tulip Poplar	95	3705.2	29.15
		Virginia Pine	23	75.3	0.4
		White Oak	18	363.6	4.4
		Total	920	19940.9	145.65
310	36	Beech	603	12049.1	44.55
		Chestnut Oak	3	65.5	0.85
		Dogwood	8	104.8	1.0
		Hickory	64	1405.4	11.35
		Spanish Oak	246	5149.9	72.35
		Sweet Gum	37	910.7	15.4
		Tulip Poplar	178	6938.6	47.05
		White Oak	32	645.4	9.7
		Total	1171	27269.4	202.25

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
310	37	Beech	207	4137.6	17.8
		Hickory	56	1228.5	8.7
		Spanish Oak	227	4753.5	58.6
		Tulip Poplar	62	2417.7	16.1
		White Oak	3	59.0	0.6
		Total	555	12596.3	101.8
310	38	Beech	359	7174.4	39.6
		Black Oak	64	1844.4	54.6
		Hickory	28	615.9	6.0
		Spanish Oak	117	2450.4	30.3
		Sweet Gum	3	75.3	0.75
		Tulip Poplar	14	547.1	2.7
		Virginia Pine	52	170.3	0.75
		White Oak	168	3390.7	43.75
		Total	805	16268.5	178.45
310	39	Beech	277	5536.4	26.25
		Black Oak	18	517.6	16.7
		Dogwood	25	327.6	2.15
		Hickory	251	5510.2	43.2
		Spanish Oak	98	2050.8	28.1
		Sweet Gum	12	294.8	3.8
		Tulip Poplar	135	5264.5	32.5
		Virginia Pine	45	147.4	0.7
		White Oak	38	766.6	9.9
		Total	899	20415.9	163.3
310	40	Beech	449	8973.0	48.0
		Black Oak	24	691.2	12.8
		Dogwood	13	170.3	2.2
		Hickory	97	2129.4	17.15
		Spanish Oak	4	85.2	1.0
		Sweet Gum	15	370.2	5.55
		Tulip Poplar	78	3040.1	21.5
		White Oak	16	324.3	5.45
		Total	696	15783.7	113.65
310	71	Red Maple	2	36.0	0.2
		Spanish Oak	2	42.6	0.8
		White Oak	2	39.3	0.35
		Total	6	117.9	1.35

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
310	72	Beech	3	59.0	0.4
		Black Locust	3	6.5	0.2
		Spanish Oak	1	19.7	0.3
		Tulip Poplar	1	39.3	0.1
		Total	8	124.5	1.0
310	73	Black Locust	3	6.5	0.2
		Scarlet Oak	1	32.8	0.2
		Tulip Poplar	1	39.3	0.15
		White Oak	2	39.3	0.5
		Total	7	117.9	1.05
310	74	Beech	1	19.7	0.1
		Red Maple	13	235.9	0.85
		Spanish Oak	5	104.8	0.8
		Total	19	360.4	1.75
310	75	Spanish Oak	1	19.7	0.2
		Tulip Poplar	1	39.3	0.5
		Total	2	59.0	0.7
310	76	Beech	1	19.7	0.1
		Red Maple	1	19.7	0.1
		Sweet Gum	2	49.1	0.25
		Tulip Poplar	1	39.3	0.1
		Total	5	127.8	0.5
310	77	Black Cherry	4	32.8	0.45
		Pin Oak	3	62.2	0.5
		Red Maple	24	432.4	1.55
		Spanish Oak	195	4081.9	65.0
		Sweet Gum	1	26.2	0.35
		Tulip Poplar	3	117.9	0.8
		Total	230	4753.4	68.65
310	78	Black Cherry	1	6.5	0.05
		Spanish Oak	2	42.6	0.7
		Total	3	49.1	0.75
310	79	American Elm	2	36.0	0.65
		Red Maple	49	884.5	4.0
		Sweet Gum	8	196.6	2.0
		Total	59	1117.1	6.65

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
310	80	Pin Oak	28	579.8	5.5
		Sweet Gum	6	147.4	1.85
		Total	34	727.2	7.35
311	11	Beech	36	720.7	2.0
		Dogwood	54	707.6	5.05
		Hickory	119	2611.0	19.3
		Red Maple	219	3947.6	24.35
		Sweet Gum	23	566.7	8.5
		Tulip Poplar	321	12514.3	109.0
		White Oak	63	1271.1	15.5
		Total	835	22339.0	183.7
311	12	Beech	28	560.2	2.0
		Black Oak	49	1412.0	43.0
		Dogwood	40	524.2	5.2
		Hickory	135	2964.8	22.4
		Red Maple	36	648.6	8.2
		Scarlet Oak	53	1772.3	24.6
		Sweet Gum	13	321.0	3.45
		Tulip Poplar	81	3158.1	20.5
		White Oak	118	2381.6	36.5
		Total	553	13742.8	165.85
311	13	Beech	47	940.2	5.35
		Black Oak	8	229.3	4.3
		Dogwood	29	380.0	3.35
		Hickory	37	812.4	5.6
		Red Maple	20	360.4	2.6
		Sweet Gum	33	812.4	13.0
		Sycamore	3	127.8	4.6
		Tulip Poplar	268	10450.4	82.6
		Tupelo	14	242.4	1.85
		White Oak	12	242.4	2.65
		Total	471	14597.7	125.9
311	14	Beech	28	560.2	3.7
		Black Oak	8	229.3	4.2
		Dogwood	23	301.4	2.2
		Hickory	36	789.5	5.0
		Red Maple	16	288.3	3.3
		Spanish Oak	84	1759.2	26.1
		Sweet Gum	3	75.3	0.7
		Tulip Poplar	14	547.1	4.9
		White Oak	586	11826.4	138.3
		Total	798	16376.7	188.4

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
311	15	Beech	19	380.0	1.35
		Dogwood	107	1402.1	14.9
		Hickory	145	3184.3	28.6
		Red Maple	16	288.3	3.1
		Sassafras	13	288.3	2.7
		Spanish Oak	71	1487.3	19.45
		Sweet Gum	31	763.3	10.75
		Tulip Poplar	2	78.6	1.2
		Virginia Pine	110	360.4	2.55
		White Oak	76	1533.2	25.1
		Total	590	9765.8	109.7
311	16	Beech	13	258.8	1.8
		Black Oak	20	576.6	15.7
		Dogwood	18	235.9	1.9
		Hickory	108	2371.8	19.5
		Hornbeam	102	573.3	4.1
		Spanish Oak	115	2407.9	27.6
		Sweet Gum	43	1051.6	16.35
		White Oak	42	848.5	12.25
		Total	461	8324.4	99.2
311	17	Beech	121	2417.7	12.7
		Black Cherry	60	786.2	3.3
		Dogwood	70	917.3	8.2
		Hickory	25	550.4	4.5
		Spanish Oak	34	710.9	7.45
		Sweet Gum	44	1081.1	15.8
		Virginia Pine	104	340.7	1.75
		White Oak	15	301.4	4.0
		Total	473	7105.7	57.7
311	18	Black Oak	16	461.9	12.0
		Dogwood	98	1284.2	15.2
		Hickory	5	111.4	1.7
		Spanish Oak	188	3934.5	54.2
		Sweet Gum	239	5873.9	72.6
		Virginia Pine	13	42.6	0.25
		White Oak	20	402.9	5.45
		Total	579	12111.4	161.4
311	19	Beech	41	819.0	4.5
		Chestnut Oak	2	42.6	1.8
		Dogwood	62	812.4	9.1
		Hickory	26	570.0	3.2
		Red Maple	5	91.7	0.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
311	19	Spanish Oak	46	936.1	13.8
		Sweet Gum	64	1572.5	23.0
		Tulip Poplar	9	350.5	2.7
		Virginia Pine	18	59.0	0.4
		White Oak	113	2280.1	33.5
		Total	386	7533.9	92.9
311	20	Beech	46	920.6	6.2
		Dogwood	12	157.2	1.6
		Hickory	128	2810.8	15.1
		Spanish Oak	123	2574.9	29.05
		Sweet Gum	33	812.4	18.6
		Virginia Pine	43	140.9	1.2
		White Oak	17	344.0	5.2
		Total	402	7760.8	76.95
311	61	Pin Oak	5	104.8	1.3
		Red Maple	108	1945.9	13.35
		Sweet Gum	2	49.1	0.4
		Total	115	2099.8	15.05
311	62	Pin Oak	171	3541.4	29.85
		Red Maple	36	648.6	3.0
		Sweet Gum	7	173.6	1.4
		Sycamore	1	42.6	0.9
		Total	215	4406.2	35.15
311	63	Black Cherry	6	78.6	1.1
		Persimmon	1	13.1	0.3
		Red Maple	1	19.7	0.15
		Total	8	111.4	1.55
311	64	Black Cherry	59	773.1	4.6
		Red Maple	147	2650.3	14.05
		Spanish Oak	27	566.7	6.45
		Sweet Gum	15	370.2	6.9
		Tulip Poplar	9	350.5	3.3
		Total	257	4710.8	35.3
311	65	Black Cherry	1	13.1	0.2
		Sweet Gum	20	491.4	10.3
		Tulip Poplar	2	78.6	0.5
		Total	23	583.1	11.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
311	66	Black Cherry	67	878.0	7.4
		Pin Oak	9	186.7	1.5
		Sweet Gum	2	49.1	0.3
		Total	78	1113.8	9.2
311	67	American Elm	60	1120.4	12.4
		Pin Oak	9	186.7	2.2
		Red Maple	89	1605.2	12.1
		Sweet Gum	33	812.4	9.25
		Tulip Poplar	1	39.3	0.45
		Total	192	3764.0	36.4
311	68	American Elm	3	55.7	0.45
		Black Cherry	207	2712.5	13.1
		Pin Oak	21	435.7	3.85
		Red Maple	237	4271.9	23.7
		Sweet Gum	8	196.6	3.0
		Total	476	7672.4	44.1
311	69	Red Maple	12	216.2	1.0
		Sweet Gum	3	75.3	1.1
		Total	15	291.5	2.1
311	70	Black Cherry	12	157.2	1.3
		Sassafras	1	22.9	0.15
		Sweet Gum	136	3341.5	46.3
		Total	149	3521.6	47.75
312	21	American Elm	9	167.1	2.3
		Black Cherry	113	1480.7	10.85
		Black Locust	179	468.5	6.35
		Sweet Gum	1	26.2	0.35
		Total	302	2142.5	19.85
312	22	American Elm	11	206.4	2.0
		Black Cherry	56	733.8	6.3
		Black Locust	132	347.3	5.1
		Total	199	1287.5	13.4
312	23	American Elm	10	186.7	2.75
		Black Locust	81	212.9	2.7
		Total	91	399.6	5.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
312	24	American Elm	4	75.3	0.85
		Tulip Poplar	1	26.2	0.5
		Total	5	101.5	1.35
312	25	Black Cherry	30	393.1	1.3
		Black Locust	19	49.1	1.1
		Tulip Poplar	4	157.2	2.0
		Total	53	599.4	4.4
312	26	American Elm	5	95.0	1.1
		Black Cherry	156	2044.2	19.7
		Red Maple	2	36.0	0.2
		Spanish Oak	44	920.6	14.65
		Sweet Gum	27	665.0	5.75
		Tulip Poplar	48	1870.6	15.95
		White Oak	3	59.0	1.0
		Total	285	5690.4	58.35
312	27	American Elm	11	206.4	2.8
		Black Locust	8	19.7	0.25
		Sweet Gum	1	26.2	0.6
		White Oak	6	121.2	1.1
		Total	26	373.5	4.75
312	28	American Elm	8	150.7	1.0
		Black Cherry	4	52.4	0.5
		Black Locust	589	1543.0	21.6
		Sweet Gum	19	468.5	4.25
		Total	620	2214.6	27.35
312	29	American Elm	59	1100.7	11.6
		Black Cherry	2	26.2	0.15
		Black Locust	25	65.5	0.8
		Total	86	1192.4	12.55
312	30	American Elm	11	206.4	1.9
		Black Locust	32	85.2	1.45
		Chestnut Oak	5	108.1	1.2
		Sweet Gum	2	49.1	0.5
		Total	50	448.8	5.05
312	51	Tulip Poplar	1	39.3	0.2
		Sweet Gum	2	49.1	0.15
		Total	3	88.4	0.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
312	52	Sassafras	1	22.9	0.3
		Sweet Gum	6	147.4	1.45
		Total	7	170.3	1.75
312	53	Black Cherry	7	91.7	0.35
		Sassafras	61	1359.5	9.7
		Sweet Gum	9	222.8	1.85
		Total	77	1674.0	11.9
312	54	Black Cherry	7	91.7	1.0
		Sweet Gum	18	442.3	5.65
		Total	25	534.0	6.65
312	55	Black Cherry	2	26.2	0.2
		Dogwood	1	13.1	0.3
		Persimmon	1	13.1	0.1
		Sassafras	12	268.6	1.3
		Sweet Gum	49	1205.6	24.9
		Total	65	1526.6	26.8
312	56	Black Cherry	11	144.1	2.2
		Sassafras	1	22.9	0.1
		Total	12	167.0	2.3
312	57	Sweet Gum	9	222.8	2.65
312	58	Box Elder	11	65.5	0.8
		Persimmon	11	147.4	1.85
		Sweet Gum	43	1058.1	16.5
		Total	65	1271.0	19.15
312	59	Black Cherry	15	196.6	2.3
		Persimmon	4	52.4	0.5
		Spanish Oak	20	419.3	7.8
		Sweet Gum	46	1130.2	16.3
		Total	85	1798.5	26.9
312	60	Red Maple	44	792.8	5.3
		Sweet Gum	38	933.7	16.85
		Tulip Poplar	16	622.4	3.8
		Total	98	2348.9	25.95

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
316	1	Black Oak	1	29.5	0.7
		Scarlet Oak	2	65.5	1.2
		Tupelo	2	36.0	0.45
		White Oak	10	203.1	3.7
		Total	15	334.1	6.05
316	2	Black Oak	2	59.0	2.15
		White Oak	15	301.4	4.5
		Total	17	360.4	6.65
316	3	Spanish Oak	4	85.2	0.9
		White Oak	19	383.3	4.65
		Total	23	468.5	5.55
316	4	Beech	5	101.6	0.45
		Red Maple	3	55.7	0.4
		Virginia Pine	70	229.3	1.3
		White Oak	5	101.6	1.1
		Total	83	488.2	3.25
316	5	Beech	3	59.0	0.3
		Black Oak	12	347.3	8.8
		Red Maple	6	108.1	1.1
		Sassafras	2	45.9	0.3
		Scarlet Oak	12	399.7	6.4
		Sweet Gum	3	75.3	0.3
		White Oak	46	927.1	17.4
		Total	84	1962.4	34.6
316	6	Black Oak	1	29.5	0.9
		Spanish Oak	2	42.6	0.45
		White Oak	21	422.6	9.4
		Total	24	494.7	10.75
316	7	Beech	5	101.6	0.3
		Hickory	12	262.1	1.85
		Red Maple	2	36.0	0.3
		Scarlet Oak	1	32.8	0.65
		Spanish Oak	3	62.2	0.65
		Tupelo	2	36.0	0.2
		White Oak	18	363.6	5.55
		Total	43	894.3	9.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
316	8	Red Maple	1	19.7	0.3
		Spanish Oak	1	19.7	0.5
		Virginia Pine	58	190.0	1.0
		White Oak	7	140.9	1.65
		Total	67	370.3	3.45
316	9	Beech	6	121.2	0.35
		Chestnut Oak	5	108.1	1.25
		Scarlet Oak	2	65.5	1.15
		Spanish Oak	2	42.6	1.15
		Tupelo	3	52.4	0.6
		Virginia Pine	74	242.4	1.15
		White Oak	19	383.3	5.0
		Total	111	1015.5	10.1
316	10	Black Oak	1	29.5	0.55
		White Oak	34	684.7	10.5
		Total	35	714.2	11.05
316	41	Black Cherry	24	314.5	2.45
		Sweet Gum	9	222.8	2.25
		Total	33	537.3	4.7
316	42	Black Cherry	3	39.3	0.2
		Sweet Gum	7	173.6	4.25
		Tulip Poplar	2	78.6	1.0
		White Oak	1	19.7	0.4
		Total	13	311.2	5.85
316	43	Black Cherry	21	275.2	2.15
		Red Maple	1	19.7	0.3
		Sweet Gum	8	196.6	2.25
		Tulip Poplar	1	39.3	0.3
		Total	31	530.8	5.0
316	44	Black Cherry	25	327.6	2.8
		Persimmon	5	68.8	1.0
		Sweet Gum	16	393.1	5.6
		Tulip Poplar	2	78.6	0.6
		Total	48	868.1	10.0
316	45	Red Maple	3	55.7	0.25
		Scarlet Oak	2	65.5	0.7
		Sweet Gum	7	173.6	2.5
		Tulip Poplar	4	157.2	1.6
		Total	16	452.0	5.05

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
316	46	Black Cherry	5	65.5	0.55
		Sweet Gum	29	714.2	12.1
		Tulip Poplar	1	39.3	0.5
		Total	35	819.0	13.15
316	47	Black Cherry	8	104.8	1.1
		Dogwood	1	13.1	0.3
		Sweet Gum	30	737.1	13.7
		Total	39	855.0	15.1
316	48	Sweet Gum	5	124.5	2.9
		Tulip Poplar	14	547.1	4.7
		Total	19	671.6	7.6
316	49	Black Cherry	17	222.8	2.5
		Sweet Gum	27	665.0	9.2
		Tulip Poplar	1	39.3	0.5
		Total	45	927.1	12.2
316	50	Black Cherry	5	65.5	0.35
		Red Maple	1	19.7	0.2
		Sweet Gum	4	98.3	2.8
		Total	10	183.5	3.35
317	31	Beech	3	59.0	0.15
		Hickory	13	285.0	1.8
		Spanish Oak	4	85.2	1.1
		Virginia Pine	25	81.9	0.45
		Total	45	511.1	3.5
317	32	Beech	6	121.2	0.55
		Hickory	15	330.9	2.5
		Spanish Oak	5	104.8	1.1
		Sweet Gum	2	49.1	1.0
		Tulip Poplar	2	78.6	0.2
		Total	30	684.6	5.35
317	33	Beech	8	160.5	0.7
		Hickory	15	330.9	3.0
		Spanish Oak	9	190.0	2.05
		Sweet Gum	1	26.2	0.5
		Total	33	707.6	6.25

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
317	34	Beech	4	78.6	0.25
		Hickory	8	176.9	0.8
		Spanish Oak	9	190.0	2.2
		Tulip Poplar	3	117.9	1.2
		Virginia Pine	31	101.6	0.5
		White Oak	3	59.0	0.65
		Total	58	724.0	5.6
317	35	Beech	6	121.2	0.45
		Chestnut Oak	1	22.9	0.2
		Hickory	7	154.0	2.5
		Spanish Oak	2	42.6	0.5
		Tulip Poplar	2	78.6	0.6
		Total	18	419.3	4.25
317	36	Beech	12	239.1	1.1
		Spanish Oak	17	357.1	4.85
		Tulip Poplar	3	117.9	0.15
		Total	32	714.1	6.1
317	37	Beech	9	180.2	0.7
		Hickory	8	176.9	1.25
		Spanish Oak	6	124.5	2.05
		Total	23	481.6	4.0
317	38	Beech	13	258.8	1.0
		Hickory	8	176.9	3.8
		Spanish Oak	5	104.8	1.5
		Tulip Poplar	4	157.2	1.5
		Total	30	697.7	7.8
317	39	Beech	9	180.2	0.8
		Hickory	15	330.9	1.6
		Spanish Oak	5	104.8	1.6
		Sweet Gum	1	26.2	0.1
		Tulip Poplar	8	311.2	1.65
		White Oak	4	81.9	0.9
		Total	42	1035.2	6.65
317	40	Beech	8	160.5	1.05
		Hickory	18	396.4	2.6
		Spanish Oak	5	104.8	0.65
		Sweet Gum	4	98.3	1.55
		Tulip Poplar	2	78.6	0.2
		White Oak	2	39.3	0.5
		Total	39	877.9	6.55

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
317	71	Sweet Gum	1	26.2	0.3
317	73	Sweet Gum	1	26.2	0.3
317	74	Red Maple	6	108.1	1.0
317	76	Tulip Poplar	1	39.3	0.2
317	77	Red Maple	6	108.1	0.4
		Spanish Oak	8	167.1	2.6
		Total	14	275.2	3.0
317	78	Spanish Oak	2	42.6	0.75
317	79	Red Maple	2	36.0	0.25
		Tulip Poplar	1	39.3	0.2
		Total	3	75.3	0.45
317	80	Pin Oak	2	42.6	0.4
		Red Maple	1	19.7	0.1
		Sweet Gum	1	26.2	0.45
		Total	4	88.5	0.95
318	11	Hickory	40	878.0	6.0
		Red Maple	7	127.8	1.25
		Sweet Gum	5	124.5	1.75
		Tulip Poplar	12	468.5	3.0
		White Oak	25	504.5	6.1
		Total	89	2103.3	18.1
318	12	Hickory	34	746.9	4.1
		Red Maple	2	36.0	0.2
		Scarlet Oak	4	134.3	1.25
		Tulip Poplar	7	271.9	2.55
		White Oak	15	301.4	4.0
		Total	62	1490.5	12.1
318	13	Dogwood	5	65.5	0.85
		Hickory	7	154.0	0.7
		Scarlet Oak	1	32.8	0.45
		Sweet Gum	1	26.2	0.6
		Tulip Poplar	16	622.4	3.6
		White Oak	2	39.3	0.4
		Total	32	940.2	6.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
318	14	Beech	4	78.6	0.45
		Black Oak	3	85.2	1.9
		Hickory	7	154.0	0.9
		Spanish Oak	11	229.3	2.85
		Sweet Gum	3	75.3	1.1
		Tulip Poplar	7	271.9	1.4
		White Oak	20	402.9	4.7
		Total	55	1297.2	13.3
318	15	Dogwood	8	104.8	0.9
		Hickory	45	989.3	6.1
		Red Maple	2	36.0	0.75
		Spanish Oak	20	419.3	5.85
		Sweet Gum	5	124.5	1.6
		Tulip Poplar	1	39.3	0.2
		Virginia Pine	28	91.7	0.45
		White Oak	20	402.9	7.25
		Total	129	2207.8	23.1
318	16	Beech	2	39.3	0.1
		Hickory	9	196.6	1.25
		Hornbeam	9	49.1	0.3
		Spanish Oak	8	167.1	2.3
		White Oak	18	363.6	5.6
		Total	46	815.7	9.55
318	17	Beech	2	39.3	0.2
		Hickory	12	262.1	2.6
		Spanish Oak	1	19.7	0.4
		Sweet Gum	3	75.3	1.4
		Virginia Pine	44	144.1	1.05
		White Oak	1	19.7	0.45
		Total	63	560.2	6.1
318	18	Black Oak	1	29.5	0.85
		Dogwood	2	26.2	0.1
		Hickory	6	131.0	0.85
		Spanish Oak	3	62.2	0.7
		Sweet Gum	10	245.7	5.0
		Total	22	494.6	7.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
318	19	Beech	2	39.3	0.3
		Dogwood	2	26.2	0.2
		Spanish Oak	1	19.7	0.1
		Sweet Gum	2	49.1	0.85
		Virginia Pine	13	42.6	0.2
		Total	20	176.9	1.65
318	20	Virginia Pine	45	147.4	1.0
318	61	Scarlet Oak	1	32.8	0.5
318	62	Pin Oak	2	42.6	0.2
		Sweet Gum	3	75.3	0.45
		Total	5	117.9	0.65
318	63	Black Cherry	4	52.4	0.2
318	64	Black Cherry	3	39.3	0.45
		Red Maple	1	19.7	0.05
		Spanish Oak	10	209.7	3.0
		Sweet Gum	3	75.3	0.75
		Total	17	344.0	4.25
318	65	Sweet Gum	1	26.2	0.35
318	67	American Elm	5	95.0	0.4
		Sweet Gum	1	26.2	0.3
		Total	6	121.2	0.7
318	68	Black Cherry	3	39.3	0.15
		Red Maple	5	91.7	0.7
		Sweet Gum	1	26.2	0.15
		Total	9	157.2	1.0
318	69	Sweet Gum	2	49.1	0.75
318	70	Black Cherry	4	52.4	0.05
		Sweet Gum	5	124.5	1.85
		Total	9	176.9	1.9
319	21	American Elm	7	131.0	1.2
		Black Cherry	7	91.7	0.65
		Total	14	222.7	1.85
319	22	American Elm	4	75.3	1.3
		Black Cherry	5	65.5	0.3
		Total	9	140.8	1.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
319	23	Black Cherry	2	26.2	0.25
		Black Locust	13	32.8	0.35
		Total	15	59.0	0.6
319	25	Black Cherry	2	26.2	0.15
319	26	Black Cherry	7	91.7	0.75
		Red Maple	1	19.7	0.3
		Spanish Oak	4	85.2	1.45
		Sweet Gum	2	49.1	0.4
		Total	14	245.7	2.9
319	27	American Elm	3	55.7	0.3
		Spanish Oak	1	19.7	0.2
		Sweet Gum	1	26.2	0.65
		Total	5	101.6	1.15
319	28	Black Locust	44	114.7	1.3
		Sweet Gum	2	49.1	1.0
		Total	46	163.8	2.3
319	29	American Elm	4	75.3	0.3
		Black Cherry	3	39.3	0.3
		Total	7	114.6	0.6
319	30	American Elm	2	36.0	1.0
		Chestnut Oak	1	22.9	0.2
		Sweet Gum	1	26.2	0.25
		Total	4	85.1	1.45
319	52	Dogwood	2	26.2	0.1
		Sweet Gum	1	26.2	0.25
		Total	3	52.4	0.35
319	54	Black Cherry	1	13.1	0.1
		Sweet Gum	1	26.2	0.1
		Total	2	39.3	0.2
319	55	Persimmon	2	26.2	0.1
		Sassafras	1	22.9	0.1
		Sweet Gum	1	26.2	0.1
		Total	4	75.3	0.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
319	58	Box Elder	6	36.0	0.7
		Persimmon	4	52.4	1.1
		Sweet Gum	7	26.2	2.55
		Total	17	114.6	4.35
319	59	Spanish Oak	5	104.8	1.7
		Sweet Gum	1	26.2	0.1
		Total	6	131.0	1.8
319	60	Red Maple	2	36.0	0.3
		Tulip Poplar	1	39.3	1.0
		Total	3	75.3	1.3
323	1	Beech	2	39.3	0.1
		Black Oak	1	29.5	0.9
		Scarlet Oak	1	32.8	1.0
		White Oak	4	81.9	1.4
		Total	8	183.5	3.4
323	2	Black Oak	2	59.0	1.1
		Scarlet Oak	1	32.8	0.3
		White Oak	6	121.2	1.5
		Total	9	213.0	2.9
323	3	Spanish Oak	3	62.2	0.85
		Tupelo	3	52.4	0.1
		White Oak	3	59.0	0.8
		Total	9	173.6	1.75
323	4	Red Maple	1	19.7	0.05
		Virginia Pine	85	278.5	1.4
		White Oak	1	19.7	0.35
		Total	87	317.9	1.8
323	5	Beech	4	78.6	0.4
		Black Oak	2	59.0	1.25
		Red Maple	1	19.7	0.3
		Sassafras	1	22.9	0.1
		Scarlet Oak	7	232.6	5.0
		Tupelo	5	88.4	0.9
		White Oak	18	363.6	5.75
		Total	38	864.8	13.7

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
323	6	Chestnut Oak	1	22.9	0.35
		Scarlet Oak	1	32.8	0.45
		White Oak	9	180.2	3.4
		Total	11	235.9	4.2
323	7	Sweet Gum	1	26.2	0.3
		White Oak	5	101.6	2.1
		Total	6	127.8	2.4
323	8	Chestnut Oak	5	108.1	1.5
		Tupelo	5	88.4	0.2
		Virginia Pine	43	140.9	0.75
		Total	53	337.4	2.45
323	9	Beech	3	59.0	0.3
		Chestnut Oak	2	42.6	0.6
		Tupelo	2	36.0	0.2
		Virginia Pine	61	199.8	1.35
		White Oak	8	160.5	1.75
		Total	76	497.9	4.2
323	10	Beech	1	19.7	0.1
		Black Oak	1	29.5	1.1
		Chestnut Oak	6	131.0	1.2
		Tupelo	4	68.8	0.2
		White Oak	5	101.6	1.0
		Total	17	350.6	3.6
323	41	Black Cherry	5	65.5	0.4
		Sweet Gum	15	370.2	6.35
		Total	20	435.7	6.75
323	42	Red Maple	1	19.7	0.2
		Sweet Gum	4	98.3	0.75
		Tulip Poplar	3	117.9	0.8
		Total	8	235.9	1.75
323	43	Black Cherry	7	91.7	0.6
		Sweet Gum	5	124.5	1.3
		Total	12	216.2	1.9
323	44	Black Cherry	13	170.3	2.4
		Persimmon	7	95.0	0.85
		Sweet Gum	7	173.6	3.9
		Total	27	438.9	7.15

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
323	45	Black Cherry	2	26.2	0.1
		Sweet Gum	2	49.1	0.4
		Tulip Poplar	2	78.6	0.3
		Total	6	153.9	0.8
323	46	Sweet Gum	8	196.7	1.75
		Tulip Poplar	1	39.3	0.2
		Total	9	236.0	1.95
323	47	Sweet Gum	3	75.3	1.0
323	48	Persimmon	1	13.1	0.8
		Sweet Gum	2	49.1	0.4
		Tulip Poplar	1	39.3	0.55
		Total	4	101.5	1.75
323	49	Black Cherry	3	39.3	0.4
		Sweet Gum	7	173.6	3.9
		Total	10	212.9	4.3
323	50	Sweet Gum	3	75.3	1.15
324	31	Virginia Pine	17	55.7	0.3
324	32	Beech	6	121.2	0.85
		Hickory	6	131.0	1.15
		Scarlet Oak	1	32.8	0.6
		Spanish Oak	1	19.7	0.35
		White Oak	2	39.3	0.75
		Total	16	344.0	3.7
324	33	Beech	2	39.3	0.1
		Spanish Oak	3	62.2	0.8
		Total	5	101.5	0.9
324	34	Beech	2	39.3	0.15
		Hickory	15	330.9	2.2
		Virginia Pine	49	160.5	0.8
		Total	66	530.7	3.15
324	35	Beech	3	59.0	0.3
		Sweet Gum	1	26.2	0.5
		Total	4	85.2	0.8
324	36	Beech	4	78.6	0.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
324	37	Beech	3	59.0	0.4
		Hickory	7	154.0	1.2
		Total	10	213.0	1.6
324	38	Beech	6	121.2	0.55
		Black Oak	1	29.5	1.9
		Hickory	4	88.4	0.9
		Total	11	239.1	3.3
324	39	Beech	3	59.0	0.3
		Hickory	18	396.4	4.0
		Spanish Oak	1	19.7	0.2
		Virginia Pine	40	131.0	0.7
		Total	62	606.1	5.2
324	40	Beech	6	121.2	0.4
		Hickory	6	131.0	3.0
		Total	12	252.2	3.4
324	76	Spanish Oak	1	19.7	-
324	77	Spanish Oak	4	85.2	1.6
		Tupelo	3	52.4	0.5
		White Oak	1	19.7	0.4
		Total	8	157.3	2.5
324	79	American Elm	3	55.7	0.3
324	80	Scarlet Oak	1	-	0.3
325	11	Hickory	19	416.0	3.5
		Red Maple	2	36.0	0.2
		Scarlet Oak	1	32.8	1.0
		Tulip Poplar	4	78.6	0.8
		White Oak	2	39.3	0.8
		Total	28	602.7	6.3
325	12	Beech	1	19.7	0.1
		Black Oak	2	59.0	2.0
		Dogwood	1	13.1	0.2
		Hickory	9	196.6	1.7
		Scarlet Oak	1	32.8	0.7
		Sweet Gum	2	49.1	0.4
		Tulip Poplar	5	196.6	1.5
		White Oak	5	101.6	1.7
		Total	26	668.5	8.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
325	13	Beech	2	39.3	0.2
		Dogwood	3	39.3	0.5
		Hickory	5	111.4	0.8
		Spanish Oak	2	42.6	0.5
		Sweet Gum	1	26.2	0.4
		Tulip Poplar	5	196.6	1.1
		Red Maple	2	36.0	0.3
		White Oak	2	39.3	0.5
		Total	22	530.7	4.3
325	14	Beech	3	59.0	0.2
		Dogwood	1	13.1	0.2
		Hickory	5	111.4	0.3
		Spanish Oak	3	62.2	0.8
		White Oak	8	160.5	1.7
		Total	20	406.2	3.2
325	15	Dogwood	2	26.2	0.4
		Hickory	13	285.0	5.6
		Red Maple	1	19.7	0.2
		Spanish Oak	6	124.5	2.1
		Total	22	455.4	8.3
325	16	Hickory	9	196.6	1.4
		Scarlet Oak	1	32.6	0.4
		Spanish Oak	1	19.7	0.4
		Virginia Pine	29	95.0	0.5
		Total	40	343.9	2.7
325	17	Beech	4	78.6	0.5
		Black Cherry	5	65.5	0.3
		Spanish Oak	1	19.7	0.3
		Sweet Gum	2	49.1	2.0
		White Oak	1	19.7	0.3
		Total	13	232.6	3.4
325	18	Black Oak	2	59.0	1.6
		Spanish Oak	1	19.7	0.2
		Total	3	78.7	1.8
325	19	Spanish Oak	1	19.7	0.2
		Tulip Poplar	1	39.3	0.1
		Total	2	59.0	0.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
325	20	Beech	1	19.7	0.2
		Sweet Gum	4	98.3	2.6
		Virginia Pine	36	117.9	0.8
		Total	41	235.9	3.6
325	61	Red Maple	2	36.0	0.2
325	62	Pin Oak	6	124.5	0.9
		Red Maple	5	91.7	0.7
		Total	11	216.2	1.6
325	64	Red Maple	2	36.0	0.4
		Spanish Oak	5	104.8	1.4
		Sweet Gum	2	49.1	1.6
		Total	9	189.9	3.4
325	65	Red Maple	1	19.7	0.1
325	67	Pin Oak	1	19.7	0.5
		Red Maple	5	91.7	1.3
		Sweet Gum	2	49.1	0.4
		Total	8	160.5	2.2
325	68	Black Cherry	6	78.6	0.5
		Red Maple	3	55.7	0.3
		Total	9	134.3	0.8
325	69	Black Cherry	1	13.1	0.1
325	70	Sweet Gum	6	147.4	1.5
326	21	Black Cherry	19	49.1	1.8
		Black Locust	18	45.9	0.45
		Total	37	95.0	2.25
326	22	American Elm	3	55.7	0.45
		Black Cherry	4	52.4	0.2
		Black Locust	13	32.8	0.5
		Total	20	140.9	1.15
326	23	Black Cherry	13	170.3	1.85
		Black Locust	13	32.8	0.25
		Total	26	203.1	2.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
326	24	American Elm	4	75.3	0.4
326	25	American Elm	2	32.8	0.7
326	26	American Elm	2	36.0	0.1
		Black Cherry	16	209.7	1.65
		Spanish Oak	3	62.2	1.4
		Sweet Gum	6	147.4	3.5
		Total	27	455.3	6.65
326	27	American Elm	5	95.0	0.55
		Black Cherry	4	52.4	0.35
		Total	9	147.4	0.9
326	28	American Elm	2	36.0	0.35
		Black Locust	22	59.0	0.6
		Total	24	95.0	0.95
326	29	American Elm	1	19.7	0.1
326	30	American Elm	5	95.0	1.2
		Sweet Gum	1	26.2	0.2
		Total	6	121.2	1.4
326	52	Pin Oak	2	42.6	0.7
326	53	Black Cherry	5	68.8	0.45
326	55	Sassafras	1	22.9	0.02
326	56	Black Cherry	1	9.8	0.2
326	57	Sweet Gum	2	49.1	1.0
326	58	Black Cherry	3	39.3	0.25
		Persimmon	4	52.4	0.75
		Sweet Gum	5	121.2	2.75
		Virginia Pine	25	81.9	0.55
		Total	37	294.8	4.3
326	59	Sweet Gum	2	52.4	0.95

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
326	60	Red Maple	4	78.6	0.65
		Tulip Poplar	2	75.3	0.5
		Total	6	153.9	1.15
330	1	Beech	13	258.8	1.4
		Black Oak	2	59.0	1.45
		Red Maple	3	59.0	0.55
		White Oak	4	81.9	1.75
		Total	22	458.7	5.15
330	2	Black Oak	1	-	0.35
		Scarlet Oak	1	32.8	1.0
		White Oak	7	140.9	2.45
		Total	9	173.7	3.8
330	3	Black Cherry	2	26.2	0.1
		Spanish Oak	1	19.7	0.4
		White Oak	5	101.6	0.65
		Total	8	147.5	1.15
330	4	Beech	8	157.2	1.15
		Black Oak	2	59.0	1.45
		Red Maple	4	72.1	1.2
		Spanish Oak	1	22.9	0.4
		Tupelo	2	36.0	0.35
		White Oak	6	121.2	1.55
		Total	23	468.4	6.1
330	5	Black Oak	6	176.9	6.3
		Red Maple	2	39.3	0.6
		Scarlet Oak	10	334.1	4.5
		Tupelo	2	36.0	0.4
		White Oak	23	465.2	8.55
		Total	43	1051.5	20.35
330	6	Chestnut Oak	3	52.4	2.0
		Scarlet Oak	2	65.5	0.4
		White Oak	8	160.5	2.55
		Total	13	278.4	4.95
330	7	Beech	2	39.3	0.2
		Spanish Oak	1	22.9	0.15
		White Oak	9	180.2	2.45
		Total	12	242.4	2.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
330	8	Chestnut Oak	1	16.4	0.4
		Spanish Oak	1	19.7	0.15
		White Oak	2	39.3	0.7
		Total	4	75.4	1.25
330	9	Beech	4	78.6	0.45
		Chestnut Oak	2	42.6	0.6
		Virginia Pine	50	163.8	0.75
		White Oak	6	121.2	2.3
		Total	62	406.2	4.1
330	10	Black Oak	3	88.4	1.2
		Chestnut Oak	3	65.5	1.0
		Tupelo	2	36.0	0.45
		White Oak	1	19.7	0.3
		Total	9	209.6	2.95
330	41	Black Cherry	8	104.8	0.7
		Dogwood	2	26.2	0.3
		Sweet Gum	11	271.9	5.65
		Total	21	402.9	6.65
330	42	Sweet Gum	3	75.3	2.15
		Tulip Poplar	1	39.3	0.15
		Total	4	114.6	2.3
330	43	Black Cherry	4	85.2	0.6
		Sweet Gum	2	45.9	1.6
		Total	6	131.1	2.2
330	44	Black Cherry	19	249.0	2.0
		Persimmon	9	121.2	0.9
		Sweet Gum	37	255.5	12.9
		Tulip Poplar	1	36.0	0.45
		Total	66	661.7	16.25
330	45	Black Cherry	4	52.4	0.4
		Sweet Gum	6	147.4	1.0
		Total	10	199.8	1.4
330	46	Sweet Gum	16	393.1	7.1
		Tulip Poplar	1	32.8	0.35
		Total	17	425.9	7.45

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
330	47	Black Cherry	7	91.7	1.0
		Sweet Gum	19	468.5	7.85
		Total	26	560.2	8.85
330	48	Sweet Gum	5	124.5	2.0
		Tulip Poplar	6	157.2	1.5
		Total	11	281.7	3.5
330	49	Black Cherry	7	91.7	0.75
		Sweet Gum	18	442.3	4.75
		Total	25	534.0	5.5
330	50	Black Cherry	3	39.3	0.35
		Red Maple	2	36.0	0.15
		Sweet Gum	2	49.1	1.0
		Total	7	124.4	1.5
331	31	Beech	17	340.7	1.9
331	32	Beech	6	117.9	0.6
		Spanish Oak	2	42.6	0.6
		Sweet Gum	5	124.5	2.3
		White Oak	4	81.9	2.8
		Total	17	366.9	6.3
331	33	Beech	7	140.9	0.5
		Hickory	7	154.0	2.8
		Spanish Oak	7	147.4	1.9
		Total	21	442.3	5.2
331	34	Beech	1	16.4	0.2
		Spanish Oak	2	42.6	0.8
		Virginia Pine	46	150.7	0.8
		Total	49	209.7	1.8
331	35	Beech	39	779.7	4.7
		Hickory	5	111.4	0.5
		Sweet Gum	1	26.2	0.7
		Total	45	917.3	5.9
331	36	Beech	7	140.9	0.7
		Spanish Oak	1	19.7	0.3
		Sweet Gum	5	124.5	0.8
		Tulip Poplar	1	39.3	0.2
		Total	14	324.4	2.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
331	37	Beech	8	160.5	0.9
		Spanish Oak	2	39.3	0.4
		Total	10	199.8	1.3
331	38	Beech	55	1081.1	6.2
		Black Oak	3	88.4	2.5
		Hickory	11	216.2	3.6
		Spanish Oak	7	147.4	2.7
		Total	76	1533.1	15.0
331	39	Beech	10	196.6	0.7
		Hickory	8	176.9	1.6
		Total	18	373.5	2.3
331	40	Beech	13	255.5	1.0
		Hickory	9	196.6	1.9
		Sweet Gum	1	22.9	0.3
		Tulip Poplar	1	32.8	0.6
		White Oak	1	19.7	0.3
		Total	25	527.5	4.1
331	75	Black Cherry	2	26.2	0.2
		Red Maple	1	16.4	0.1
		Total	3	42.6	0.3
331	77	Black Cherry	3	39.3	0.3
		Spanish Oak	1	19.7	0.3
		Sweet Gum	4	104.8	1.7
		Total	8	163.8	2.3
331	78	Black Cherry	2	26.2	0.2
		Red Maple	2	36.0	0.3
		Total	4	62.2	0.5
331	80	Pin Oak	2	42.6	0.4
		White Oak	1	19.7	0.4
		Total	3	62.3	0.8
332	11	Black Cherry	2	26.2	0.2
		Black Oak	1	29.5	0.2
		Red Maple	3	55.7	0.3
		Sweet Gum	1	22.9	0.2
		White Oak	2	39.3	0.7
		Total	9	173.6	1.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
332	12	Tulip Poplar	2	78.6	0.6
332	13	Black Cherry	2	26.2	0.1
		Dogwood	2	26.2	0.4
		Tulip Poplar	1	32.8	0.6
		White Oak	2	39.3	0.2
		Total	7	124.5	1.3
332	14	Black Oak	3	85.2	2.8
		Dogwood	3	39.3	0.5
		Hickory	3	65.5	0.6
		Spanish Oak	4	78.6	1.9
		White Oak	22	445.5	4.9
		Total	35	714.1	10.7
332	15	Beech	1	19.7	0.3
		Dogwood	3	39.3	0.3
		Hickory	3	65.5	0.8
		Spanish Oak	4	85.2	2.2
		White Oak	3	59.0	1.0
		Total	14	268.7	4.6
332	16	Beech	12	239.1	1.8
		Black Oak	9	258.8	6.6
		Dogwood	3	39.3	0.2
		Hickory	6	131.0	2.0
		Spanish Oak	2	39.3	1.0
		Sweet Gum	3	75.3	0.4
		White Oak	8	160.5	3.1
		Total	43	943.3	15.1
332	17	Beech	28	560.2	3.9
		Black Oak	10	288.3	5.5
		Dogwood	5	65.5	0.5
		Spanish Oak	2	42.6	0.6
		Sweet Gum	7	170.3	1.0
		White Oak	3	59.0	1.4
		Total	55	1185.9	12.9
332	18	Sweet Gum	4	98.3	0.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
332	19	Beech	2	39.3	0.3
		Dogwood	4	52.4	0.4
		Spanish Oak	2	42.6	0.4
		Sweet Gum	1	16.4	0.6
		White Oak	7	140.9	2.2
		Total	16	291.6	3.9
332	20	Beech	3	59.0	0.4
		Spanish Oak	2	36.0	0.3
		Total	5	95.0	0.7
332	62	Pin Oak	2	42.6	0.5
332	63	Black Cherry	1	13.1	0.2
332	64	Red Maple	2	36.0	0.4
		Spanish Oak	2	42.6	0.5
		Sweet Gum	2	45.9	0.7
		Total	6	124.5	1.6
332	65	Persimmon	1	13.1	0.1
332	66	Pin Oak	1	19.7	0.3
332	67	Pin Oak	1	19.7	0.4
		Red Maple	1	19.7	0.4
		Total	2	39.4	0.8
332	68	Black Cherry	8	104.8	0.7
		Red Maple	1	19.7	1.2
		Total	9	124.5	1.9
332	70	Black Cherry	1	13.1	0.2
		Sweet Gum	1	26.2	0.3
		Sycamore	1	42.6	0.8
		Total	3	81.9	1.3
333	21	Black Cherry	21	275.2	2.4
333	22	American Elm	1	16.4	0.2
		Black Cherry	3	36.0	0.4
		Total	4	52.4	0.6
333	23	Black Cherry	8	78.6	1.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
333	24	Black Cherry	3	39.3	0.1
333	26	Black Cherry	13	170.3	2.5
		Sweet Gum	2	49.1	0.8
		Total	15	219.4	3.3
333	28	Black Cherry	1	13.1	0.2
333	30	American Elm	1	19.7	0.1
333	51	Black Cherry	1	13.1	0.4
333	56	Black Cherry	2	26.2	0.5
333	59	Sweet Gum	1	26.2	0.5
337	1	Persimmon	2	29.5	0.1
		White Oak	5	101.6	1.4
		Total	7	131.1	1.5
337	2	Persimmon	2	26.2	0.1
		Sassafras	1	22.9	0.1
		Spanish Oak	3	62.2	0.9
		Sweet Gum	2	52.4	0.1
		White Oak	8	160.5	2.1
		Total	16	324.2	3.3
337	3	Black Cherry	1	13.1	0.1
		Persimmon	2	26.2	0.2
		Sassafras	4	88.4	-
		Spanish Oak	7	147.4	1.9
		Sweet Gum	3	75.3	1.1
		White Oak	15	301.4	5.4
		Total	32	651.8	8.7
337	4	Beech	1	19.7	0.1
		White Oak	3	59.0	1.0
		Total	4	78.7	1.1
337	5	Tupelo	2	36.0	0.1
		White Oak	4	78.6	0.9
		Total	6	114.6	1.0

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
337	6	Beech	2	39.3	0.2
		Chestnut Oak	2	42.6	1.2
		Red Maple	1	26.2	0.3
		Sassafras	1	22.9	0.4
		White Oak	9	180.2	2.3
		Total	15	311.2	4.4
337	7	Beech	7	140.9	0.7
		Black Oak	20	575.5	13.6
		Dogwood	-	-	0.3
		Hickory	8	176.9	2.2
		Persimmon	1	13.1	0.1
		Red Maple	2	39.3	0.3
		Red Oak	-	-	3.5
		Sassafras	-	-	0.3
		Scarlet Oak	6	199.8	-
		Sweet Gum	3	75.3	0.9
		Tupelo	6	104.8	1.3
		White Oak	36	727.3	11.0
		Total	89	2052.9	34.2
337	8	Chestnut Oak	2	42.6	0.9
		Persimmon	2	26.2	0.1
		Spanish Oak	1	19.7	0.4
		Virginia Pine	27	88.4	0.5
		White Oak	-	19.7	0.6
		Total	32	196.6	2.5
337	9	Beech	1	19.7	0.1
		Virginia Pine	3	9.8	0.1
		White Oak	3	59.0	0.6
		Total	7	88.5	0.8
337	10	Beech	1	19.7	0.1
		Chestnut Oak	2	42.6	0.2
		Virginia Pine	12	39.3	0.1
		White Oak	4	81.9	0.9
		Total	19	183.5	1.3
337	41	Box Elder	7	42.6	1.2
		Sweet Gum	7	170.3	4.3
		Total	14	212.9	5.5

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
337	42	Black Cherry	2	22.9	0.2
		Sweet Gum	7	173.6	1.9
		Total	9	196.5	2.1
337	43	Black Cherry	1	13.1	0.2
		Red Maple	1	19.7	0.1
		Spanish Oak	1	19.7	0.1
		Sweet Gum	8	196.6	2.7
		Tupelo	1	16.4	0.1
		Total	12	265.5	3.2
337	44	Black Cherry	7	91.7	1.3
		Spanish Oak	1	19.7	0.2
		Sweet Gum	16	393.1	5.6
		Tulip Poplar	2	65.5	1.0
		Total	26	570.0	8.1
337	45	Sweet Gum	4	98.3	1.2
		Tulip Poplar	2	75.3	1.2
		Total	6	173.6	2.4
337	46	Scarlet Oak	1	32.8	0.1
		Sweet Gum	8	196.6	2.8
		Total	9	229.4	2.9
337	47	Black Cherry	3	39.3	0.4
		Sweet Gum	16	393.1	6.8
		Total	19	432.4	7.2
337	48	Black Cherry	1	13.1	0.2
		Sweet Gum	1	22.9	0.1
		Total	2	36.0	0.3
337	49	Sweet Gum	25	615.9	5.7
338	31	Beech	2	39.3	0.3
		Spanish Oak	3	62.2	0.7
		Total	5	101.5	1.0
338	32	Beech	4	78.6	0.4
		Scarlet Oak	1	32.8	0.4
		Total	5	111.4	0.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
338	33	Beech	4	78.6	0.4
		Spanish Oak	1	19.7	0.4
		Tulip Poplar	1	32.8	0.5
		Total	6	131.1	1.3
338	34	Beech	7	140.9	0.8
		Spanish Oak	2	42.6	0.4
		White Oak	2	39.3	0.4
		Total	11	222.8	1.6
338	35	Beech	9	180.2	0.8
		Spanish Oak	2	42.6	0.6
		Tulip Poplar	1	32.8	0.3
		White Oak	2	39.3	0.7
		Total	14	294.9	2.4
338	36	Beech	3	59.0	0.3
		Spanish Oak	1	19.7	0.2
		Tulip Poplar	1	39.3	0.3
		Virginia Pine	19	62.2	0.2
		Total	24	180.2	1.0
338	37	Beech	5	98.3	0.4
		Hickory	5	111.4	0.7
		Total	10	209.7	1.1
338	38	Beech	16	321.0	2.0
		Spanish Oak	1	19.7	0.4
		Tulip Poplar	1	39.3	0.2
		Total	18	380.0	2.6
338	39	Beech	5	101.6	0.5
		Spanish Oak	1	19.7	0.5
		Tulip Poplar	2	78.6	0.9
		Total	8	199.9	1.9
338	40	Beech	10	199.8	1.2
		Black Oak	1	29.5	0.9
		Sweet Gum	1	26.2	0.4
		White Oak	1	19.7	0.6
		Total	13	275.2	3.1
338	71	Spanish Oak	1	16.4	0.5
		Tulip Poplar	1	29.5	0.3
		Total	2	45.9	0.8

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
338	72	Sweet Gum	1	16.4	0.5
338	73	Sweet Gum	1	26.2	0.2
338	74	Red Maple	3	59.0	0.6
338	77	Black Cherry	1	6.5	0.2
		Spanish Oak	2	39.3	0.4
		Total	3	45.8	0.6
338	78	Tulip Poplar	2	32.8	0.4
338	80	Pin Oak	1	19.7	0.4
339	11	Beech	1	19.7	0.2
		Dogwood	1	13.1	0.2
		Hickory	5	111.4	0.7
		Sweet Gum	2	49.1	0.9
		White Oak	5	101.6	1.1
		Total	14	294.9	3.1
339	12	American Elm	1	19.7	0.1
		Dogwood	5	65.5	0.3
		Scarlet Oak	8	314.5	44.4
		Tulip Poplar	3	65.5	1.2
		White Oak	9	180.2	1.4
		Total	26	645.4	47.4
339	13	Beech	4	78.6	0.6
		Black Oak	50	1474.2	39.9
		Hickory	13	285.0	3.4
		Sweet Gum	1	26.6	0.4
		Tulip Poplar	3	98.3	1.2
		White Oak	1	22.9	0.3
		Total	72	1985.6	45.8
339	14	Black Oak	3	78.6	2.3
		Scarlet Oak	2	62.2	0.8
		Spanish Oak	2	39.3	0.7
		Sweet Gum	1	19.7	0.1
		Tupelo	1	16.4	0.2
		White Oak	7	140.9	2.2
		Total	16	357.1	6.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
339	15	Beech	4	78.6	0.5
		Hickory	7	153.9	1.2
		Red Maple	1	19.7	0.4
		Spanish Oak	8	235.9	3.7
		Sweet Gum	1	22.9	0.5
		Virginia Pine	9	29.5	0.1
		White Oak	2	39.3	1.6
		Total	32	579.8	8.0
339	16	Beech	4	78.6	0.6
		Black Oak	5	147.4	4.7
		Virginia Pine	7	22.9	0.1
		Total	16	248.9	5.4
339	17	Beech	5	98.3	0.7
		Black Oak	3	88.5	3.7
		Red Maple	1	19.7	0.2
		Sweet Cherry	15	196.6	1.1
		Sweet Gum	4	98.3	1.3
		Virginia Pine	48	157.2	0.6
		White Oak	1	19.7	1.0
		Total	77	678.3	8.6
339	18	Dogwood	3	39.3	0.4
		Sassafras	1	22.9	0.2
		Spanish Oak	7	144.1	2.3
		Sweet Gum	6	157.2	1.3
		Virginia Pine	80	262.1	3.0
		Total	97	625.6	7.2
339	19	Black Oak	4	104.8	5.0
		Chestnut	1	19.7	0.8
		Dogwood	1	13.1	0.3
		Sweet Gum	3	78.6	0.8
		Virginia Pine	81	265.4	1.6
		Total	90	481.6	8.5
339	20	Black Oak	1	29.5	0.4
		Sweet Gum	2	45.9	0.4
		Virginia Pine	23	75.3	0.1
		Total	26	150.7	0.9

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
339	61	Red Maple	2	36.0	0.4
339	62	Pin Oak	1	19.7	0.3
		Sycamore	1	42.6	0.4
		Total	2	62.3	0.7
339	63	Sweet Gum	2	49.1	0.6
339	64	Black Cherry	2	26.2	0.4
		Red Maple	2	36.0	0.3
		Total	4	62.2	0.7
339	67	Red Maple	2	36.0	0.3
339	69	Black Cherry	3	39.3	0.3
		Red Maple	3	55.7	0.4
		Total	6	95.0	0.7
339	70	Black Cherry	1	13.1	0.2
340	21	Black Cherry	6	78.6	0.9
340	22	Black Cherry	11	144.1	1.4
340	25	Black Cherry	5	65.5	0.2
340	26	Black Cherry	2	26.2	0.2
		Sweet Gum	1	26.2	0.5
		Tulip Poplar	4	157.2	0.9
		Total	7	209.6	1.6
340	29	American Elm	3	55.7	0.6
340	30	American Elm	4	75.3	1.2
340	55	Persimmon	4	52.4	0.3
		Sweet Gum	2	49.1	0.4
		Total	6	101.5	0.7
340	58	Persimmon	14	186.7	1.9
		Sweet Gum	14	344.0	8.3
		Total	28	530.7	10.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
340	59	Sassafras	2	45.9	0.5
		Spanish Oak	2	42.6	0.5
		Sweet Gum	1	26.2	0.2
		Total	5	114.7	1.2
340	60	Red Maple	1	19.7	0.2
		Spanish Oak	1	19.7	0.5
		Sweet Gum	1	26.2	0.5
		Tulip Poplar	1	32.8	0.4
		Total	4	98.4	1.6
344	1	Beech	5	101.6	0.4
		Spanish Oak	1	19.7	0.5
		White Oak	6	121.2	1.7
		Total	12	242.5	2.6
344	2	White Oak	2	39.3	0.9
344	4	Beech	3	59.0	0.4
		Scarlet Oak	1	32.8	0.8
		Total	4	91.8	1.2
344	5	Scarlet Oak	1	29.5	0.4
		White Oak	3	59.0	1.7
		Total	4	88.5	2.1
344	6	Chestnut Oak	1	22.9	0.4
344	8	White Oak	2	39.3	0.6
344	9	White Oak	3	59.0	1.0
344	10	White Oak	4	81.9	0.9
344	41	Sweet Gum	14	344.0	5.8
344	42	Sweet Gum	1	16.4	0.3
		Tulip Poplar	1	19.7	0.2
		Total	2	36.1	0.5
344	50	Pin Oak	1	16.4	0.2
		Sweet Gum	4	98.3	1.1
		Total	5	114.7	1.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
344	79	Red Maple	1	19.7	0.3
345	31	Beech	1	19.7	0.2
345	35	Beech	2	29.5	0.3
345	37	Beech	1	13.1	0.2
345	38	Beech	4	68.8	0.6
		Spanish Oak	2	29.5	0.5
		Total	6	98.3	1.1
345	39	Beech	1	13.1	0.1
		Black Oak	1	32.8	1.3
		Spanish Oak	1	19.7	0.3
		Total	3	65.6	1.7
345	40	Beech	1	19.7	0.2
346	14	Spanish Oak	2	36.0	0.6
346	15	Dogwood	1	16.4	0.2
346	16	Black Oak	2	69.0	3.1
346	68	Spanish Oak	1	19.7	0.5
346	70	Black Cherry	1	9.8	0.2
351	1	White Oak	3	39.3	0.6
351	3	White Oak	3	45.9	0.4
351	4	Beech	1	29.5	0.3
		White Oak	-	52.4	0.9
		Total	1	81.9	1.2
351	5	White Oak	-	22.9	0.3
351	6	Red Maple	1	19.7	0.2
351	7	American Holly	1	13.1	0.2
		Virginia Pine	5	6.6	0.2
		Total	6	19.7	0.4

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
351	9	Red Maple	1	6.6	-
		Virginia Pine	13	13.1	0.3
		White Oak	2	19.7	0.3
		Total	16	39.4	0.6
351	11	Tulip Poplar	-	45.9	0.3
351	12	White Oak	1	19.7	0.2
351	13	Beech	-	26.2	0.1
351	15	Sassafras	-	72.1	0.5
351	17	Virginia Pine	3	3.3	0.1
351	21	American Elm	1	3.3	0.2
		Hornbeam	2	36.0	0.3
		Total	3	39.3	0.5
351	23	American Elm	1	13.1	0.2
		Beech	1	39.3	0.3
		Total	2	52.4	0.5
351	26	Spanish Oak	1	19.7	0.3
351	28	American Elm	1	19.7	0.3
351	32	Beech	19	183.5	5.1
351	35	Beech	1	32.8	0.1
351	37	Spanish Oak	1	19.7	0.2
351	39	Spanish Oak	-	29.5	0.4
351	49	Black Oak	1	3.3	0.1
		Sweet Gum	1	6.6	0.1
		Total	2	9.9	0.2
351	68	Black Cherry	-	6.6	0.1
358	1	Beech	2	26.2	0.2
		Tupelo	1	19.7	0.2
		White Oak	1	19.7	0.2
		Total	4	65.6	0.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
358	2	Tupelo	1	26.2	0.2
		White Oak	2	45.9	0.8
		Total	3	72.1	1.0
358	4	Beech	2	26.2	0.2
		Black Oak	1	59.0	1.4
		Red Maple	2	26.2	0.2
		Spanish Oak	1	19.7	0.3
		Virginia Pine	9	6.6	0.2
		White Oak	1	26.2	0.4
		Total	16	163.9	2.7
358	6	Virginia Pine	2	-	-
		White Oak	1	32.8	0.4
		Total	3	32.8	0.4
358	8	Red Maple	2	32.8	0.3
		White Oak	1	32.8	0.6
		Total	3	65.6	0.9
358	9	Virginia Pine	16	6.6	0.3
358	10	Virginia Pine	4	3.3	0.1
358	14	White Oak	1	26.2	0.2
358	16	Beech	2	52.4	0.4
		Hornbeam	1	6.6	0.0
		Total	3	59.0	0.4
358	17	Beech	1	39.3	0.3
		Spanish Oak	1	26.2	0.5
		Tulip Poplar	1	26.2	0.5
		Virginia Pine	9	6.6	0.2
		Total	12	98.3	1.5
358	18	American Holly	1	3.1	0.2
358	19	Virginia Pine	5	6.6	0.1
358	20	Beech	1	26.2	0.2
		Chestnut Oak	1	72.1	0.9
		Virginia Pine	26	13.1	0.5
		Total	28	111.4	1.6

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
358	31	Virginia Pine	4	3.3	0.1
358	32	Beech	1	13.1	-
		Hornbeam	1	6.6	0.1
		Virginia Pine	6	6.6	0.1
		Total	8	26.3	0.2
358	33	Virginia Pine	10	6.6	0.1
358	34	Tulip Poplar	-	19.7	0.2
		Virginia Pine	36	19.7	0.4
		Total	36	39.4	0.6
358	35	Beech	1	26.2	0.1
358	36	Beech	2	26.2	0.1
358	38	Beech	-	32.8	0.3
		White Oak	-	32.2	0.3
		Total	-	65.0	0.6
358	39	Beech	1	26.2	0.1
358	40	Beech	1	-	0.1
		Spanish Oak	1	19.7	0.2
		Total	2	19.7	0.3
358	56	Virginia Pine	42	19.7	0.7
358	60	Loblolly Pine	1	-	0.1
		Virginia Pine	6	3.3	0.2
		Total	7	3.3	0.3
358	64	Spanish Oak	1	26.2	0.3
358	67	Black Cherry	1	6.6	0.1
358	68	Black Cherry	2	6.6	0.1
358	70	Sweet Gum	1	19.7	0.2
358	74	Oak	1	6.6	0.1
358	75	Pin Oak	1	-	0.01

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
365	1	Beech	11	190.0	1.0
		Black Cherry	-	13.2	0.1
		Black Oak	1	150.7	1.8
		Tupelo	4	39.3	0.4
		Red Maple	6	91.7	0.7
		White Oak	3	137.6	1.9
		Total	25	622.5	5.9
365	3	June Berry	1	9.8	0.01
		Scarlet Oak	1	13.1	0.1
		Spanish Oak	1	26.2	0.3
		Total	3	49.1	0.41
365	4	Beech	5	29.0	0.5
		Tupelo	2	39.3	0.4
		Virginia Pine	3	-	0.01
		White Oak	3	65.5	0.8
		Total	13	133.8	1.7
365	5	Beech	3	78.6	0.6
		Black Oak	2	85.2	1.1
		Red Maple	1	32.8	0.2
		Total	6	196.6	1.9
365	6	Chestnut Oak	4	314.5	2.5
		White Oak	2	72.1	0.9
		Total	6	386.6	3.4
365	7	Scarlet Oak	1	19.7	0.2
		White Oak	1	13.1	0.1
		Total	2	32.8	0.3
365	8	Scarlet Oak	2	52.4	0.9
		White Oak	2	26.2	0.2
		Total	4	78.6	1.1
365	9	Beech	1	26.2	0.2
		Red Maple	1	39.3	0.2
		White Oak	1	45.9	0.6
		Total	3	111.4	1.0
365	10	Black Oak	1	59.0	0.7
365	11	Red Maple	1	6.6	0.1

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
365	12	Hickory	6	45.9	1.0
365	13	Beech	1	13.1	-
365	14	White Oak	1	13.2	0.1
365	15	Beech	5	104.8	0.7
		Hickory	6	163.8	2.0
		Red Maple	1	32.8	0.3
		Spanish Oak	1	65.5	0.8
		Tulip Poplar	18	45.9	0.5
		White Oak	3	104.8	1.4
		Total	34	517.6	5.7
365	16	Beech	11	275.2	1.5
		Black Oak	8	524.6	7.1
		Hickory	1	26.3	0.1
		Spanish Oak	1	39.3	0.4
		White Oak	5	104.8	1.2
		Total	26	970.2	10.3
365	17	Beech	2	59.0	0.3
		Virginia Pine	18	6.6	0.5
		Total	20	65.6	0.8
365	18	Beech	1	32.8	0.2
		Black Oak	2	111.4	1.1
		Hickory	2	6.6	0.2
		Virginia Pine	12	3.3	0.2
		White Oak	1	32.8	0.2
		Total	18	186.9	1.9
365	19	Spanish Oak	1	19.7	0.3
365	20	Beech	2	19.7	0.2
365	26	Tulip Poplar	1	19.7	0.2
365	31	Beech	2	45.9	0.2
		Hickory	1	13.1	-
		Total	3	59.0	0.2
365	32	Beech	3	91.7	0.3

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
365	33	Beech	2	45.9	0.2
365	34	Beech	3	72.1	0.2
365	35	Beech	22	478.3	2.4
		Hickory	1	91.7	0.6
		Spanish Oak	1	13.1	0.1
		Sweet Gum	2	32.8	0.5
		Tulip Poplar	1	52.4	0.4
		Total	27	668.3	4.0
365	36	Beech	4	59.0	0.3
		Hornbeam	2	6.6	-
		Spanish Oak	2	26.2	0.3
		Total	8	91.8	0.6
365	38	Beech	68	1415.2	9.6
		Black Oak	1	59.0	0.6
		Dogwood	1	26.2	0.1
		Hickory	1	9.3	0.1
		Northern Red Oak	1	45.9	0.4
		Spanish Oak	3	39.3	0.6
		White Oak	7	131.0	1.4
		Total	82	1726.4	12.8
365	39	Beech	1	19.7	0.1
365	40	Beech	7	176.9	0.8
		Northern Red Oak	1	78.6	0.8
		Total	8	255.5	1.6
365	47	Tulip Poplar	1	37.3	0.2
365	48	Tulip Poplar	1	13.1	0.1
365	49	Black Cherry	1	19.2	0.2
		Sweet Gum	1	13.1	0.3
		Total	2	32.3	0.5
365	62	Pin Oak	1	3.3	0.1
		Red Maple	1	3.3	0.1
		Total	2	6.6	0.2
365	64	Red Maple	1	26.2	0.2

Forest Ecology Litter Box Data - 1974

Leaves

Day of 1974	Box Number	Species	Number of Leaves	Leaf Surface Area (cm ²)	Dry Weight (g)
365	67	Red Maple	2	65.5	0.4
365	68	Red Maple	4	104.8	0.9
365	77	Spanish Oak	1	59.0	0.5

Winter Woodland Bird Flocking Data

Technique: Observations were made of bird flocks in the woodlands along the north shore of Muddy Creek estuary from Hog Island marsh along the north fork and the north branch of Muddy Creek to station 1 (map 2) and including all of forest ecology site 2 (see forest ecology map). Area surveyed was about 17 - 18 ha. or a transect about 1,600 - 1,800 meters long. The number of birds above the slash line is the number of birds observed in flocks, the number below the slash line is the number observed not in flocks on a given field trip.

Principal Investigator: Robert Rybzyński, Biology Department, Cornell University, Ithaca, New York.

Research Funding: Cornell University.

Winter Woodland Bird Populations

Day of 1974

	p.m. 1	p.m. 2	p.m. 4	p.m. 6	p.m. 9	p.m. 12	a.m. 15	p.m. 16	p.m. 16	a.m. 17	p.m. 17	p.m. 20
Sharp-shinned Hawk	-	-	-	-	-	-	-	-	-	-	-	-
Cooper's Hawk	-	-	-	-	-	-	-	-	-	-	-	-
Barred Owl	-	-	-	-	-	-	-	-	-	-	-	-
Flicker	-	1/0	0/1	-	-	-	1/0	-	-	0/2	0/1	0/1
Red-bellied Woodpecker	1/4	1/0	0/3	1/3	1/2	2/1	0/3	1/2	1/4	1/3	2/5	1/1
Yellow-bellied Sapsucker	-	-	1/0	-	1/0	-	-	1/0	0/1	-	1/0	-
Hairy Woodpecker	-	-	0/1	-	0/1	1/0	0/2	0/1	-	0/1	-	1/0
Downy Woodpecker	0/2	0/2	0/1	-	1/0	1/1	-	1/0	0/1	0/3	1/2	1/2
Blue Jay	0/1	0/1	0/4	-	-	0/2	-	0/6	-	2/4	0/4	0/6
Pileated Woodpecker	0/1	-	-	-	-	-	-	-	-	-	-	-
Carolina Chickadee	6/2	0/2	4/0	2/1	8/2	3/0	2/1	4/1	3/2	5/0	5/2	2/2
Tufted Titmouse	2/1	2/0	2/0	-	2/2	1/0	1/0	4/0	-	3/1	3/2	2/0
White-breasted Nuthatch	0/1	1/0	1/0	1/0	1/1	1/0	1/1	1/0	3/0	0/1	1/1	2/0
Brown Creeper	1/0	2/0	1/1	0/1	-	1/0	-	-	1/0	0/1	1/1	1/0
Carolina Wren	0/3	-	1/2	-	0/1	1/0	1/1	0/6	0/1	4/3	0/1	0/3
Mockingbird	-	-	-	-	-	-	-	-	-	-	-	0/1

Winter Woodland Bird Populations

Day of 1974

	25	27	a.m. 28	p.m. 28	a.m. 29	p.m. 29	30	31	a.m. 32	p.m. 32	a.m. 33	p.m. 33
Sharp-shinned Hawk	-	-	-	-	-	-	-	-	-	-	-	-
Cooper's Hawk	-	-	-	-	-	-	-	-	-	-	-	-
Barred Owl	-	-	-	-	-	-	-	-	-	-	-	-
Flicker	-	-	-	-	0/2	0/1	-	-	-	0/1	0/1	-
Red-bellied Woodpecker	0/5	0/1	2/0	2/2	0/3	0/4	0/5	0/3	2/3	1/2	1/2	0/3
Yellow-bellied Sapsucker	-	-	0/2	-	-	-	-	0/1	0/1	-	-	-
Hairy Woodpecker	-	-	-	-	-	-	-	-	-	-	-	-
Downy Woodpecker	3/0	1/1	1/1	3/0	0/1	0/1	0/3	0/1	1/0	2/2	2/1	0/1
Blue Jay	0/4	0/6	-	-	0/6	0/1	0/2	-	-	-	0/2	0/3
Pileated Woodpecker	0/1	-	-	-	-	-	-	-	0/1	-	-	-
Carolina Chickadee	8/0	2/1	4/1	5/2	0/5	2/4	2/2	2/0	5/3	9/2	4/0	0/4
Tufted Titmouse	3/0	3/1	5/2	1/3	1/1	1/0	2/0	3/0	3/1	2/0	2/1	1/0
White-breasted Nuthatch	2/0	1/0	0/2	0/1	0/1	-	-	1/0	-	1/0	1/0	1/0
Brown Creeper	1/0	-	-	3/0	-	1/1	1/1	1/1	1/6	1/0	-	-
Carolina Wren	0/5	0/1	0/6	0/2	3/1	0/2	0/1	0/1	0/2	0/2	2/1	0/2
Mockingbird	-	0/1	-	-	-	-	-	0/1	-	-	-	0/1

Winter Woodland Bird Populations

Day of 1974

	a.m. 35	p.m. 35	p.m. 36	p.m. 36	a.m. 37	a.m. 37	a.m. 40	p.m. 40	a.m. 42	p.m. 42	a.m. 43	a.m. 46
Sharp-shinned Hawk	-	-	-	-	-	-	-	-	-	-	-	-
Cooper's Hawk	-	-	-	-	-	1	-	-	-	-	-	-
Barred	-	-	-	-	-	-	1	-	-	-	-	-
Flicker	0/1	-	-	0/1	0/1	-	-	-	-	0/1	1/0	-
Red-bellied Woodpecker	0/2	1/4	0/1	1/2	0/3	0/1	0/3	0/2	2/1	0/3	0/4	0/3
Yellow-bellied Sapsucker	-	-	-	-	-	-	0/2	0/1	-	0/2	0/2	-
Hairy Woodpecker	-	0/1	-	-	0/1	-	-	-	-	-	0/1	-
Downy Woodpecker	0/1	1/1	0/1	0/3	1/0	0/1	-	1/0	1/0	1/0	-	0/2
Pileated Woodpecker	-	-	-	-	-	-	-	-	-	-	-	-
Blue Jay	-	-	-	0/2	-	1/9	-	0/1	0/3	-	0/1	0/1
Carolina Chickadee	1/0	2/3	2/1	4/3	2/2	3/2	2/4	2/0	5/0	0/5	-	5/1
Tufted Titmouse	2/0	2/0	-	0/3	1/3	4/1	3/1	3/0	2/1	2/0	4/1	1/3
White-breasted Nuthatch	-	-	0/1	-	0/1	1/0	-	1/0	1/0	-	0/1	-
Brown Creeper	-	0/2	-	1/0	-	1/1	-	1/0	1/0	-	-	1/0
Carolina Wren	0/1	1/1	0/2	0/1	0/2	1/3	1/1	-	2/0	1/0	2/3	2/3
Mockingbird	-	-	-	0/2	-	-	-	-	-	-	-	-

Winter Woodland Bird Populations

	Day of 1974									
	a.m. 50	p.m. 52	p.m. 55	p.m. 56	a.m. 57	p.m. 58	p.m. 58	p.m. 60		
Sharp-shinned Hawk	-	-	-	-	-	-	-	-		
Cooper's Hawk	-	-	-	-	-	-	-	-		
Barred Owl	1	-	-	-	-	-	-	-		
Flicker	-	-	-	0/1	-	-	-	0/1		
Red-bellied Woodpecker	1/2	1/4	0/3	2/1	1/1	0/3	0/2	0/2		
Yellow-bellied Sapsucker	-	-	-	-	1/0	-	-	0/2		
Hairy Woodpecker	-	-	0/1	-	-	0/1	-	-		
Downy Woodpecker	1/0	0/1	0/1	3/0	0/1	0/1	-	-		
Pileated Woodpecker	-	-	0/1	-	-	-	-	-		
Blue Jay	0/2	-	0/2	-	0/2	5/0	0/2	0/2		
Carolina Chickadee	2/0	2/6	2/1	1/2	2/0	2/2	0/1	0/1		
Tufted Titmouse	-	2/4	0/9	4/0	5/0	2/2	0/5	0/5		
White-breasted Nuthatch	-	-	0/1	1/0	-	-	0/1	0/1		
Brown Creeper	0/1	0/1	1/1	1/0	0/1	0/1	0/1	0/1		
Carolina Wren	0/3	0/4	0/3	2/1	0/3	0/3	0/3	0/3		
Mockingbird	-	-	-	-	0/1	-	-	-		

Winter Woodland Bird Populations

Day of 1974

[illegible]

Winter Woodland Bird Populations

Day of 1974

	25	27	a.m. 28	p.m. 28	a.m. 29	p.m. 29	30	31	a.m. 32	p.m. 32	a.m. 33	p.m. 33
Brown Thrasher	-	-	-	-	-	-	-	-	-	-	-	-
Hermit Thrush	0/1	-	-	-	-	-	-	0/1	0/1	-	-	0/1
Robin	-	-	-	-	-	-	-	-	-	-	-	-
Bluebird	3/0	-	-	-	-	-	-	-	-	-	-	-
Ruby-crowned Kinglet	-	-	-	-	-	-	-	-	-	-	-	-
Golden-crowned Kinglet	2/0	-	2/0	-	-	-	-	-	-	1/0	-	1/0
Cedar Waxwing	-	-	-	-	-	-	-	-	-	-	-	-
Myrtle Warbler	-	-	0/1	0/1	-	-	-	-	0/1	1/0	-	-
Red-winged Blackbird	-	-	-	-	-	-	-	-	-	-	-	-
Purple Finch	-	-	-	-	-	-	-	-	-	-	-	-
Cardinal	8/2	0/8	0/7	2/5	1/1	-	-	1/2	4/5	16/0	8/0	3/4
Pine Siskin	9/0	-	-	-	-	-	-	-	-	-	0/1	-
American Goldfinch	3/0	-	-	0/1	-	4/0	-	-	1/0	5/0	-	1/0
Rufous-sided Towhee	-	-	2/0	3/0	6/0	-	-	-	-	-	1/0	2/0
Junco	-	-	-	-	-	-	4/0	-	4/0	-	-	-
White-throated Sparrow	12/0	-	6/0	7/0	3/2	7/0	4/0	2/0	-	7/0	-	-
Swamp Sparrow	-	-	-	-	-	-	-	-	-	-	-	-

Winter Woodland Bird Populations

Day of 1974

	a.m. 35	p.m. 35	p.m. 36	p.m. 36	a.m. 37	a.m. 37	a.m. 40	p.m. 40	a.m. 42	p.m. 42	a.m. 43	a.m. 46
Brown Thrasher	-	-	-	-	-	0/1	-	-	1/0	-	-	-
Hermit Thrush	1/0	-	0/1	0/1	-	-	-	0/1	0/1	1/0	-	1/0
Robin	-	-	-	-	-	-	-	-	-	-	-	-
Bluebird	-	3/0	-	2/0	-	0/1	-	-	-	4/0	-	-
Ruby-crowned Kinglet	-	-	-	-	-	-	-	-	-	-	-	-
Golden-crowned Kinglet	-	-	-	1/1	-	0/1	-	-	1/0	0/1	2/0	2/0
Cedar Waxwing	-	-	-	-	-	-	-	-	-	-	-	-
Myrtle Warbler	-	-	-	-	-	-	1/0	0/1	-	-	0/1	1/0
Red-winged Blackbird	-	-	-	-	-	-	-	-	-	-	-	-
Purple Finch	-	-	-	-	-	-	-	-	-	-	-	-
Cardinal	9/3	3/4	3/4	15/4	5/1	6/2	5/2	4/3	9/0	7/2	18/7	4/2
Pine Siskin	-	-	8/0	-	12/0	-	-	-	-	-	-	-
American Goldfinch	0/1	0/1	3/0	0/1	5/0	-	-	-	-	-	-	-
Rufous-sided Towhee	1/3	-	0/1	2/1	-	-	3/0	2/0	2/0	4/0	8/1	-
Junco	-	-	-	-	-	-	-	-	-	-	-	-
White-throated Sparrow	2/2	-	7/0	2/0	4/0	6/0	9/1	1/0	13/0	20/0	13/2	11/0
Swamp Sparrow	-	-	-	-	-	-	0/1	-	0/1	-	-	-

Winter Woodland Bird Populations

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Day of 1974

	a.m. 50	p.m. 52	p.m. 55	p.m. 56	a.m. 57	p.m. 58	p.m. 62
Brown Thrasher	-	-	-	-	-	-	-
Hermit Thrust	-	-	0/1	1/0	-	-	0/1
Robin	-	-	-	-	-	-	-
Bluebird	-	0/2	-	-	3/0	5/0	-
Ruby-crowned Kinglet	-	-	-	-	-	-	-
Golden-crowned Kinglet	1/0	0/1	2/1	-	-	-	-
Cedar Waxwing	-	-	-	-	-	-	-
Myrtle Warbler	-	-	-	-	-	-	-
Red-winged Blackbird	-	-	-	-	-	-	-
Purple Finch	-	-	-	-	-	-	-
Cardinal	7/4	4/4	1/1	10/1	2/0	4/1	0/7
Pine Siskin	-	-	-	-	-	-	-
American Goldfinch	-	0/1	-	1/0	0/1	4/0	0/1
Rufous-sided Towhee	-	-	-	-	-	-	-
Junco	2/0	2/0	-	-	-	0/1	-
White-throated Sparrow	2/0	7/2	9/2	29/0	7/0	6/2	4/0
Swamp Sparrow	-	-	-	-	-	-	-

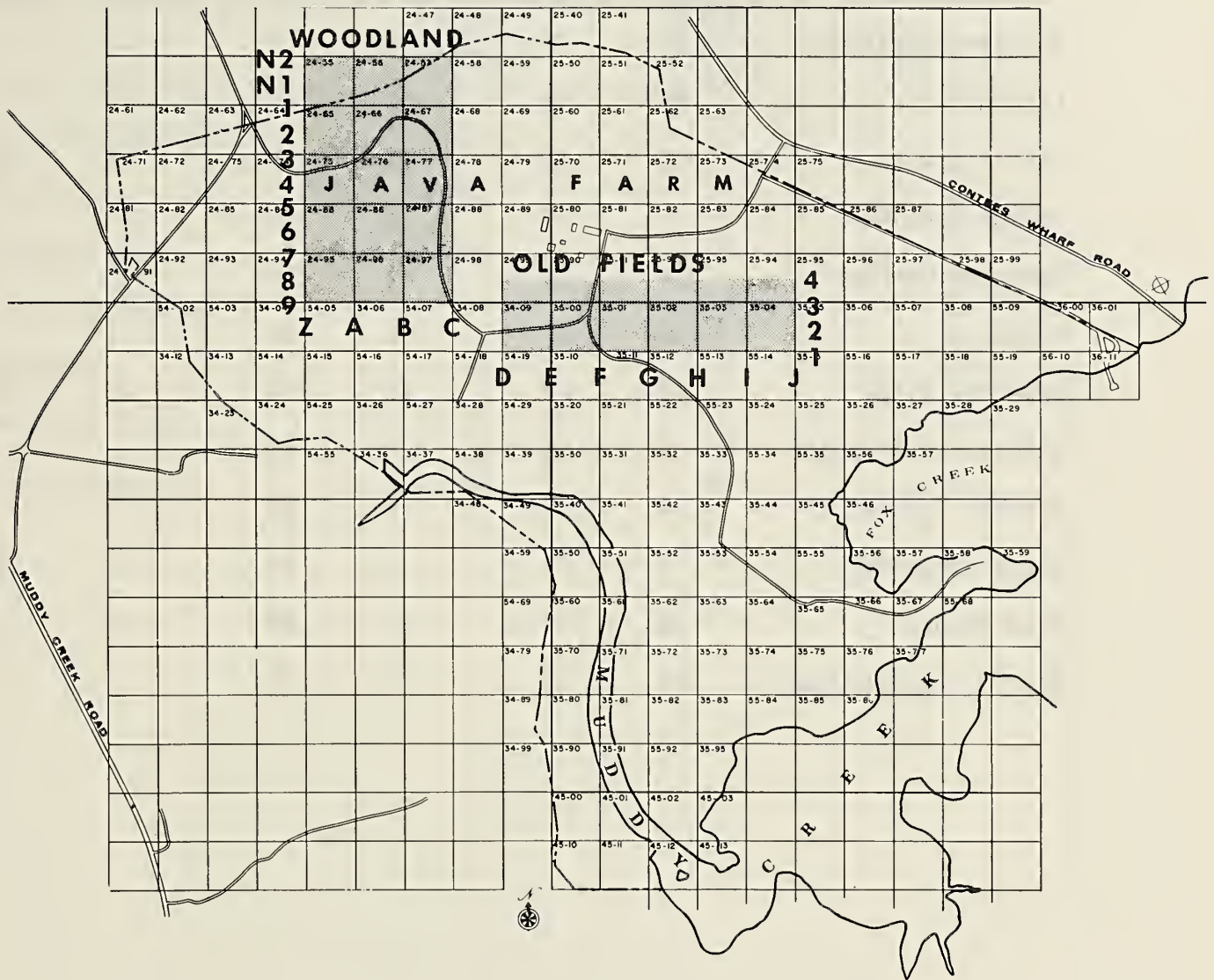
Breeding Bird Populations on the Muddy Creek Watershed

Technique: Populations were surveyed by two methods: (1) capture, marking, release, and recapture; (2) censusing of singing males. Capture was by means of mist nets arranged in grids in woodlands and in old fields. Breeding birds were banded with Fish and Wildlife Service bands. Effective areas of study were woodland, 24 hectares; (rows Z, and A-C), old fields (rows D-J), 17.5 hectares. Woodland locations was immediately northwest of the station (map 2) and the old fields location was south and southeast from the station (map 2).

Principal Investigator: Francis S. L. Williamson, Chesapeake Bay Center for Environmental Studies, Smithsonian Institution.

Research Funding: Smithsonian Institution.

FIGURE 1. ARRANGEMENT OF NET SITES IN MATURE WOODLAND (ROWS Z, A, B, C) AND OLD FIELDS (ROWS D-J). SITE F4 ELIMINATED IN 1972 DUE TO ENCROACHMENT OF HUMAN ACTIVITY.



Sex Ratios of Adult Birds Captured from May 28 - July 2, 1974

Species	Male		Female		Unknown	
	Number	Percent	Number	Percent	Number	Percent
Acadian Flycatcher	11	42	8	31	7	27
Cardinal	28	48	30	52	-	-
Carolina Wren	6	12	27	55	16	33
Indigo Bunting	5	50	5	50	-	-
Kentucky Warbler	14	70	6	30	-	-
Ovenbird	10	56	7	39	1	5
Red-eyed Vireo	16	28	26	46	15	26
Rufous-sided Towhee	9	60	6	40	-	-
Scarlet Tanager	4	40	6	60	-	-
White-eyed Vireo	7	47	7	47	1	6
Wood Thrush	76	59	51	40	2	1
Yellow-breasted Chat	16	64	9	36	-	-

Percent of Individuals of the More Numerous Species Returning in the Summer of 1974 that were Captured in 1973.

Species	Number Captured in 1973	Number Returned in 1974	Percent Returned
Acadian Flycatcher	26	3	12
Cardinal	46	13	28
Carolina Wren	31	10	32
Kentucky Warbler	8	2	25
Ovenbird	17	2	12
Red-eyed Vireo	39	4	10
Wood Thrush	75	26	35

Survivorship in Birds Banded as Adults

Species	Years of Survival											
	B*	S**	B*	S**	B*	S**	B*	S**	B*	S**	B*	S**
Acadian Flycatcher	71	6	49	4	43	1	33	0	25	2	-	-
Cardinal	152	32	116	9	92	12	65	2	42	3	28	1
Carolina Wren	52	9	25	4	22	2	17	3	-	-	-	-
Kentucky Warbler	41	8	33	3	-	-	-	-	-	-	-	-
Ovenbird	40	2	26	3	21	3	14	1	-	-	-	-
Red-eyed Vireo	126	13	96	8	84	11	61	2	52	2	40	2
Wood Thrush	205	34	151	15	124	12	73	12	50	1	30	2

1348

* B = number that could have survived that given number of years.

** S = number known to have survived that given number of years.

Distribution of Breeding Species by Preferred Feeding Stratum. Numbers Next to Species Give Percent of Total Biomass in that Habitat.

Stratum	Habitat	
	Mature Woods	Secondary
Bark	Red-bellied Woodpecker	Red-bellied Woodpecker
		Downy Woodpecker
Ground	Bobwhite	Bobwhite
	Common Flicker	Mourning Dove
	Louisiana Water Thrush	Rufous-sided Towhee
	Ovenbird	
Understory	Cardinal	Cardinal
	Carolina Wren	Carolina Wren
	Gray Catbird	Gray Catbird
	Kentucky Warbler	Prairie Warbler
		White-eyed Vireo
		Yellow-billed Cuckoo
		Yellow-breasted Chat

Distribution of Breeding Species by Preferred Feeding Stratum. Numbers Next to Species Give Percent of Total Biomass in that Habitat. (Continued).

Stratum	Habitat	
	Mature Woods	Secondary
Low Canopy	Acadian Flycatcher	5.6
	Blue Jay	2.9
	Eastern Wood Pewee	1.3
	Tufted Titmouse	2.3
High Canopy	Great Crested Flycatcher	1.1
	Red-eyed Vireo	11.2
	Scarlet Tanager	2.4
	Blue Jay	4.0
	Red-eyed Vireo	8.1
	Scarlet Tanager	2.0

Summary of Captures of Breeding Adult Species in Mature and Secondary Woodlands in 1974.

MATURE WOODLAND															
Date	Net Rows	Woodthrush		Cardinal		Acadian Flycatcher		Red-eyed Vireo		Kentucky Warbler		Other		Total	
		N	R	N	R	N	R	N	R	N	R	N	R	N	R
5/28	A, Z	8	0	6	0	2	0	1	0	0	0	21	0	48	0
6/3	B, C	6	0	8	1	1	0	10	0	1	0	13	0	39	1
6/4	A, Z	5	5	3	1	2	1	5	0	0	0	5	3	20	10
6/10	B, C	7	4	1	2	5	0	2	0	3	0	9	1	27	7
6/11	A, Z	4	2	2	1	4	0	0	0	2	4	7	0	19	7
6/17	B, C	6	5	6	0	0	1	2	0	2	0	6	1	22	7
6/19	A, Z	4	4	0	0	0	0	4	0	0	0	5	0	13	4
6/25	B, C	9	4	2	1	2	0	4	1	0	3	9	3	26	12
6/27	A, Z	2	12	1	0	0	0	5	0	2	1	2	0	12	13
7/2	B, C	6	5	1	1	0	0	1	2	0	2	1	1	9	11

* N = number of birds captured for the first time and newly banded.

** R = number of birds banded previously in the 1974 breeding season and recaptured.

Summary of Captures of Breeding Adult Species in Mature and Secondary Woodlands in 1974.

SECONDARY WOODLAND																	
Date	Rows	Wood-thrush		Cardinal		Red-eyed Vireo		Carolina Wren		White-eyed Vireo		Yellow-breasted Chat		Other		Total	
		N	R	N	R	N	R	N	R	N	R	N	R	N	R	N	R
6/5	D-J	6	0	12	0	3	0	4	0	5	0	5	0	16	0	51	0
6/13	D-J	1	0	3	0	3	0	13	0	5	0	2	0	15	1	42	1
6/20	D-J	1	1	1	0	3	1	1	0	2	2	4	0	10	1	22	5
6/26	D-J	2	2	1	1	2	0	3	1	0	0	3	0	11	2	22	6
7/1	D-J	4	0	1	0	5	2	1	1	0	0	5	2	9	2	25	7

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* N = number of birds captured for the first time and newly banded.

** R = number of birds banded previously in the 1974 breeding season and recaptured.

Population Size and Biomass of Birds in Secondary Growth and Mature Woodland during the 1974 Breeding Season. Estimates are Made Using the Spot Map Technique for Singing Males.

Species	Secondary		Mature	
	No.	Biomass (g)	No.	Biomass (g)
Bobwhite <u>Colinus virginianus</u>	6	1116.0	2	372.0
Acadian Flycatcher <u>Empidonax virescens</u>	2	2.7	25	337.5
American Goldfinch <u>Spinus tristis</u>	1	13.4	-	-
Black and White Warbler <u>Mniotilta varia</u>	-	-	2	22.2
Blue-gray Gnatcatcher <u>Polioptila caerulea</u>	-	-	1	5.6
Blue Jay <u>Cyanocitta cristata</u>	2	176.2	2	176.2
Cardinal <u>Cardinalis cardinalis</u>	24	972.0	19	769.5
Carolina Chickadee <u>Parus carolinensis</u>	3	27.6	6	55.2
Carolina Wren <u>Thryothorus hidovicianus</u>	4	84.0	11	231.0
Common Flicker <u>Colaptes auratus</u>	-	-	1	135.9
Common Yellowthroat <u>Geothlypis trichas</u>	2	19.6	-	-
Downy Woodpecker <u>Dendrocopos pubescens</u>	2	53.2	-	-
Eastern Wood Pewee <u>Muscicopa virens</u>	-	-	5	76.0
Gray Catbird <u>Dumetella carolinensis</u>	2	83.6	4	167.2

Population Size and Biomass of Birds. (Continued)

Species	Secondary		Mature	
	No.	Biomass (g)	No.	Biomass (g)
Great Crested Flycatcher <u>Myiarchus crinitus</u>	-	-	2	68.4
Hooded Warbler <u>Wilsonia Citrina</u>	-	-	2	20.8
Indigo Bunting <u>Passerina cyanea</u>	3	42.6	-	-
Kentucky Warbler <u>Oporornis formosus</u>	-	-	8	112.0
Louisiana Waterthrush <u>Seiurus motacilla</u>	-	-	4	84.4
Mourning Dove <u>Zenaidura macroura</u>	2	265.2	-	-
Ovenbird <u>Seiurus aurocapillus</u>	-	-	4	76.0
Parula Warbler <u>Parula americana</u>	1	7.8	6	46.8
Prarie Warbler <u>Dendroica discolor</u>	7	51.8	-	0
Red-bellied Woodpecker <u>Centurus carolinus</u>	2	142.2	9	639.9
Red-eyed Vireo <u>Vireo olivaceus</u>	22	352.0	42	672.0
Rufous-sided Towhee <u>Pipilo erythrophthalmus</u>	6	246.6	-	0
Scarlet Tanager <u>Piranga olivacea</u>	24	972.0	19	769.5
Tufted Titmouse <u>Parus bicolor</u>	2	46.2	6	138.6
White-eyed Vireo <u>Vireo griseus</u>	4	48.4	-	-

Population Size and Biomass of Birds. (Continued).

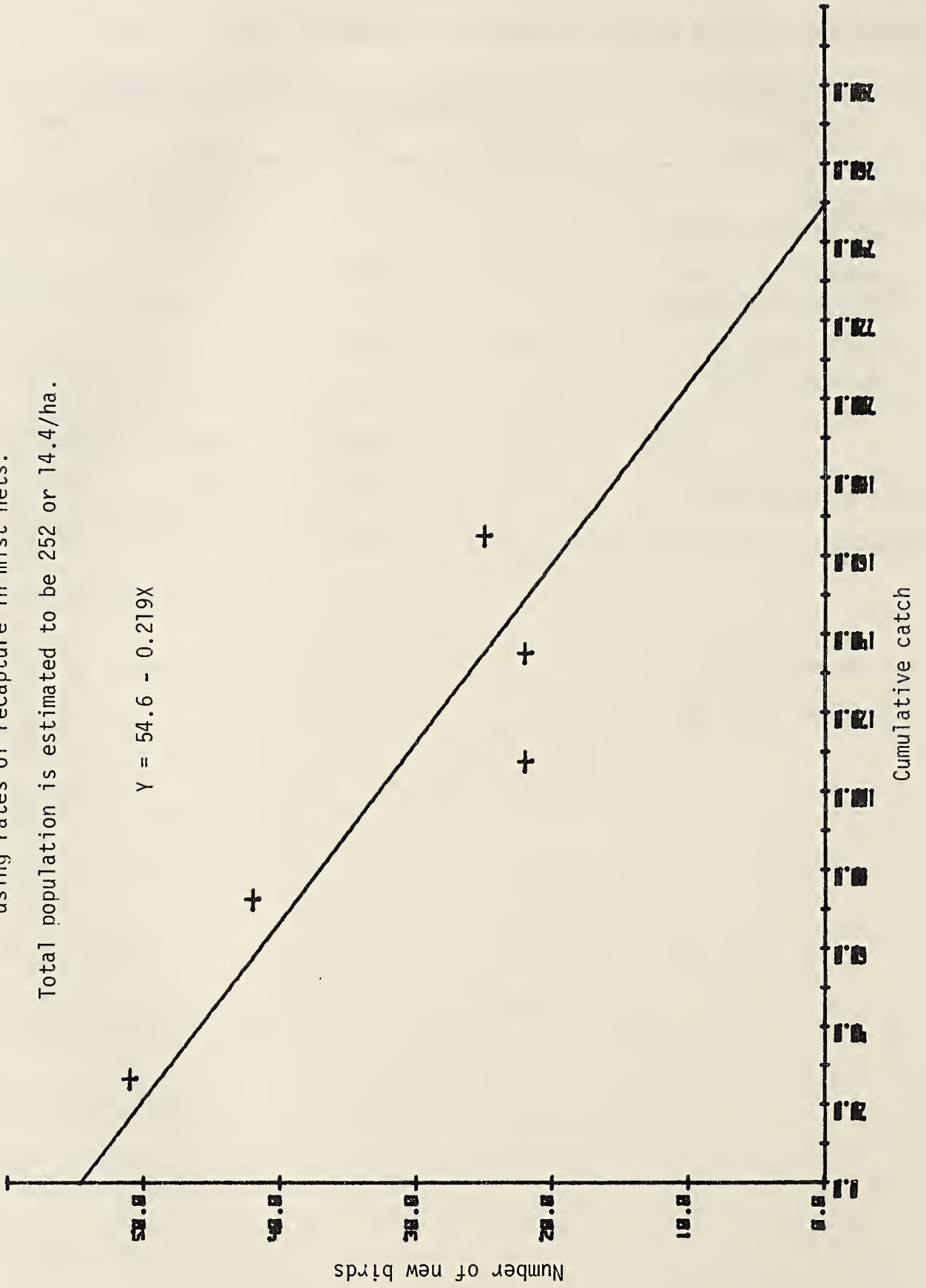
Species	Secondary		Mature	
	No.	Biomass (g)	No.	Biomass (g)
Wood Thrush <u>Hylocichla mustelina</u>	1	49.5	33	1633.5
Yellow-billed Cuckoo <u>Coccyzus americanus</u>	4	246.8	-	-
Yellow-breasted Chat <u>Icteria virens</u>	8	201.6	-	-
TOTAL	113	4360.9	198	5987.0
Eliminating Bobwhite	107	3244.9	196	5615.0
Density/ha (eliminating Bobwhite	5.1	185.4	8.2	234.0

Mature woods = 24 ha

Secondary = 17.5 ha

Estimate of breeding bird population in secondary growth in 1974
using rates of recapture in mist nets.

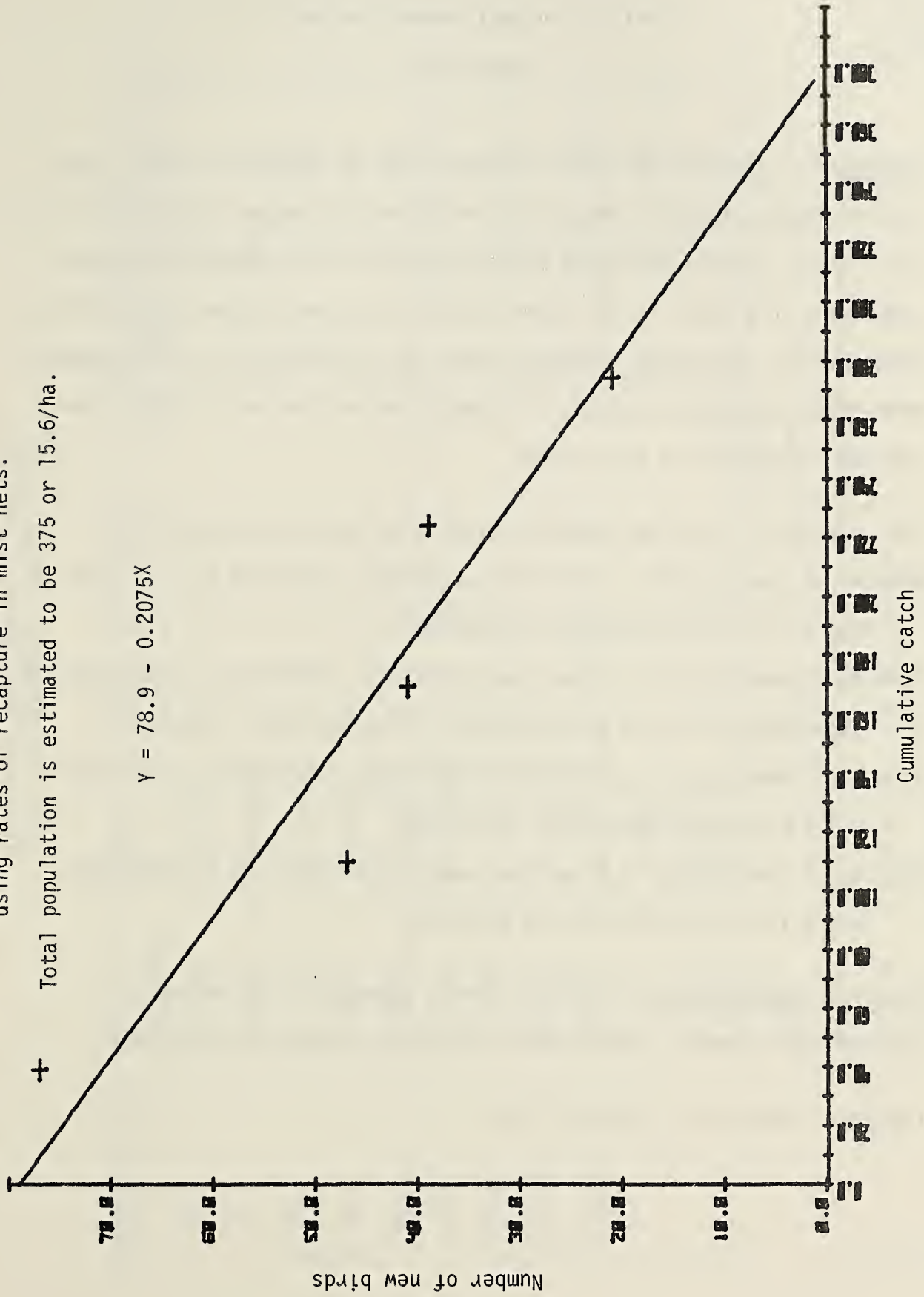
Total population is estimated to be 252 or 14.4/ha.



Estimate of breeding bird population in mature woodland in 1974

using rates of recapture in mist nets.

Total population is estimated to be 375 or 15.6/ha.



Preliminary Small Mammal Survey

Java Farm

Technique - Three habitats were sampled using two parallel lines at each site of "museum special" snap traps prebaited with peanut butter and oats for 5 days. Results are based on 50 traps set for 3 consecutive nights. Traps were 10 m apart in the lines and the lines were separated by 20-30 m. Forty Sherman live traps (3x3x10") were used in Site No. 4. The standard mark-release-recapture method, with peanut butter and oats as bait, was used for 3 consecutive trap nights.

The locations of the four sampling sites (see map 5) are given below:

Site No. 1 consisted of a line from coordinates 4900-3700 to 5150-3700
and a line from 4900-3680 to 5150-3680.

Site No. 2 consisted of a line from coordinates 4900-4200 to approximately
4925-4425 and a line from 4920-4200 to approximately 4945-4425.

Site No. 3 consisted of a line from coordinates 6300-3980 to 6550-3980
and a line from 6300-3960 to 6550-3960.

Site No. 4 consisted of a line from coordinates 6300-3200 to 6500-3200
and a line from 6300-3180 to 6500-3180.

Principal Investigator: Sheila D. Minor, Chesapeake Bay Center for
Environmental Studies, Smithsonian Institution, Edgewater, Maryland.

Funding: Smithsonian Federal Funds.

SPECIMEN DATA

Preliminary Small Mammal Survey Work
Java Farm May, July - August, 1974

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Collector's ID No.	Date Collected	Species	Sex	Age	Weight (g)	External Measurements (mm)			
						Total Length	Tail	RHF	Ear
WR-1	7/17/74	P. leucopus	F	ad	16	158	72	20	16
WR-2	7/17/74	P. leucopus	F	ad	18	168	76	21	17
WR-3	7/17/74	P. leucopus	M	ad	21	170	78	22	16
WR-4	7/18/74	P. leucopus	F	ad	16	158	75	20	15
WR-5	7/19/74	P. leucopus	M	ad	20	162	73	20	16
SDM-52	7/24/74	B. brevicauda	F	ad	15	-	-	-	-
SDM-53	7/24/74	B. brevicauda	F	ad	-	112	23	13	-
SDM-54	7/25/74	B. brevicauda	?	ad	-	105	27	18	-
SDM-55	7/26/74	B. brevicauda	F	ad	-	115	20	19	-
-	8/13/74	P. leucopus	F	ad	19	156	74	20	16
-	8/14/74	P. leucopus	F	ad	-	159	75	21	17
-	8/15/74	-	-	-	-no captures-	-	-	-	-
-	5/8/74	-	-	-	-no captures-	-	-	-	-
-	5/9/74	-	-	-	-no captures-	-	-	-	-
-	5/10/74	O. palustris	M	sub ad?	-	-	-	-	- Toe clipped No. 1
-	5/10/74	O. palustris	F	sub ad	-	-	-	-	- Toe clipped No. 2

SUMMARY

Preliminary Small Mammal Survey Work
Java Farm May, July - August, 1974

<u>Site</u>	<u>Dates Trapped</u>	<u>Total Trap Nights</u>	<u>Total Captures</u>	<u>Species</u>
No. 1 Forest	16-19 July 1975	150 (Museum specials)	5	<u>Peromyscus leucopus</u> <u>(white-footed mouse)</u>
No. 2 Conifers	23-26 July 1975	150 (Museum specials)	4	<u>Blarina brevicauda</u> <u>(short-tailed shrew)</u>
No. 3 Old Field	13-15 Aug. 1975	150 (Museum specials)	2	<u>Peromyscus leucopus</u> <u>(white-footed mouse)</u>
No. 4 Hog Island Marsh	7-10 May 1975	120 live traps	2	<u>Oryzomys palustris</u> <u>(marsh rice rat)</u>

Sunlight - Incident Total White Light Intensities at
CBCES Dock (Map 2)

Technique - Detector was an Eppley precision pyranometer with a clear quartz dome mounted on the roof of the instrument shed at the end of the dock. Data points were recorded every 10 minutes.

Principal Investigator: Robert Cory, U.S. Geological Survey,
Chesapeake Bay Center for Environmental Studies.

Research Funding: U.S. Geological Survey.

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values ($\text{g cal/cm}^2 \text{ hour}$)
and Daily Totals ($\text{g cal/cm}^2 \text{ day}$). January 1974.

Hour of Day	Day of 1974										
	1	2	3	4	5	6	7	8	9	10	11
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-
0700-0800	-	.05	-	.01	.01	-	.01	.03	-	-	-
0800-0900	.02	.21	.02	.07	.07	.04	.12	.26	-	-	-
0900-1000	.08	.18	.09	.11	.15	.06	.12	.41	.01	.01	.01
1000-1100	.14	.55	.14	.14	.20	.11	.18	.51	.07	.07	.04
1100-1200	.16	.64	.12	.08	.27	.11	.28	.58	.20	.05	.08
1200-1300	.21	.64	.10	(.08) ^a	.41	.09	.32	.60	.23	.07	.14
1300-1400	.19	.51	.10	(.08) ^a	.43	.09	.22	.33	.19	.12	.18
1400-1500	.09	.31	.04	(.04) ^a	.30	.06	.34	(.31) ^a	.20	.09	.13
1500-1600	.08	.08	.02	(.02) ^a	.20	.06	.14	(.25) ^a	.11	.08	.08
1600-1700	.01	.01	-	-	.06	.01	.03	(.18) ^a	.11	.04	.01
1700-1800	-	-	-	-	-	-	-	.07	.04	.01	.01
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	58.8	190.8	37.8	37.8	126.0	37.8	105.6	211.8	69.6	32.4	40.8

^avalue includes some estimated hourly values.

Table January 1974. (continued)

Hour of Day	Day of 1974											
	12	13	14	15	16	17	18	19	20	21	22	
0500-0600	-	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-	-
0700-0800	-	-	-	-	-	-	-	.04	.01	-	.06	
0800-0900	-	.01	.01	.02	.04	.06	.01	.12	.04	.01	.27	
0900-1000	.03	.14	.07	.23	.06	.22	.04	.31	.08	.01	.56	
1000-1100	.25	.30	.19	.46	.31	.45	.08	.53	.12	.07	.66	
1100-1200	.47	.27	.30	.62	.56	.59	.13	.14	.11	.11	.72	
1200-1300	.71	.34	.29	.72	.48	.47	.15	.11	.12	.15	.71	
1300-1400	.58	.41	.30	.61	.47	.28	.14	.11	.11	.28	.67	
1400-1500	.36	.64	.14	(.39) ^a	.39	.12	.12	.05	.06	.29	.49	
1500-1600	.22	.34	.08	.11	.20	.11	.11	.04	.05	.27	.30	
1600-1700	.34	.33	.05	.05	.13	.05	.07	.01	.02	.07	.09	
1700-1800	.11	.11	.05	(.03) ^a	.03	.01	.02	-	-	-	-	
1800-1900	-	-	-	-	-	-	-	-	-	-	-	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	
Total	184.2	173.4	88.8	194.4	160.2	141.6	52.2	87.6	43.2	75.6	271.8	

^a value includes some estimated hourly values.

Table January 1974. (continued)

Hour of Day	Day of 1974										
	23	24	25	26	27	28	29	30	31		
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-
0700-0800	.04	.01	.02	.01	.05	.03	.08	.06	.04		
0800-0900	.26	.03	.06	.03	.31	.18	.29	.26	.13		
0900-1000	.51	.06	.26	.09	.54	.32	.54	.51	.28		
1000-1100	.61	.08	.41	.11	.71	.24	.51	.70	.31		
1100-1200	.71	.05	.30	.12	.80	.25	.54	.81	.37		
1200-1300	.62	.06	.35	.15	.81	.14	.76	.81	.65		
1300-1400	.43	.07	.37	.15	.75	.25	.62	.73	.72		
1400-1500	.29	.06	.22	.06	.45	.21	.41	.57	.55		
1500-1600	.16	.04	.16	.02	.33	.05	.21	.36	.37		
1600-1700	.04	.01	.07	.01	.11	.01	.07	.14	.12		
1700-1800	-	-	-	-	-	-	-	.01	.01		
1800-1900	-	-	-	-	-	-	-	-	-		
1900-2000	-	-	-	-	-	-	-	-	-		
Total	220.2	28.2	133.2	45.0	291.6	100.8	241.8	297.6	213.0		

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values ($\text{g cal/cm}^2 \text{ hour}$)
and Daily Totals ($\text{g cal/cm}^2 \text{ day}$). February 1974.

Hour of Day	Day of 1974											
	32	33	34	35	36	37	38	39	40	41	42	
0500-0600	-	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-	-
0700-0800	.07	.01	-	.08	.10	.06	.01	-	.18	.13	.11	
0800-0900	.25	.09	.01	.20	.36	.23	.06	.01	.48	.40	.37	
0900-1000	.37	.14	.03	.24	.60	.19	.08	.07	.68	.68	.64	
1000-1100	.49	.11	.05	.68	.77	.27	.19	.08	.80	.80	.83	
1100-1200	.45	.17	.04	.82	.87	.34	.24	.09	.89	.90	.94	
1200-1300	.41	.20	.03	.69	.88	.25	.16	.10	.91	.75	.94	
1300-1400	.47	.13	.03	.67	.80	.16	(.14) ^a	.10	.84	.71	.86	
1400-1500	.62	.09	.02	.62	.64	.09	(.10) ^a	.08	.64	.68	.70	
1500-1600	.30	.03	.01	.38	.41	.04	.09	.06	.37	.41	.48	
1600-1700	.14	.01	.01	.14	.17	.02	.04	.04	.13	.15	.21	
1700-1800	-	-	-	.01	.01	-	-	-	.01	.01	.01	
1800-1900	-	-	-	-	-	-	-	-	-	-	-	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	
Total	214.2	58.8	13.8	271.8	336.6	99.0	66.6	37.8	355.8	337.2	365.4	

^avalue includes some estimated hourly values.

Table February 1974. (continued)

Hour of Day	Day of 1974												
	43	44	45	46	47	48	49	50	51	52	53		
0500-0600	-	-	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-	-	-
0700-0800	.06	.07	.08	.01	.05	.06	.12	.02	.02	.15	.05		
0800-0900	.36	.33	.23	.05	.14	.15	.42	.06	.19	.41	.10		
0900-1000	.60	.62	.31	.22	.19	.27	.65	.09	.64	.66	.16		
1000-1100	.61	.62	.34	.69	.23	.67	.81	.08	.83	.84	.16		
1100-1200	.71	.88	.31	.90	.15	.87	.96	.16	.96	.89	.63		
1200-1300	.77	.74	.12	.80	.20	.68	.99	.21	.97	.97	.77		
1300-1400	.71	.76	.28	.87	.13	.90	.90	.03	.92	.91	.80		
1400-1500	.36	.64	.24	.67	.06	.55	.75	.03	.78	.70	.64		
1500-1600	.35	.49	.14	.50	.04	.44	.51	.03	.56	.48	.49		
1600-1700	.11	.21	.05	.25	.03	.26	.25	.06	.31	.24	.21		
1700-1800	.01	.02	-	.04	.01	.04	.04	.02	.06	.03	.01		
1800-1900	-	-	-	-	-	-	-	-	-	-	-		
1900-2000	-	-	-	-	-	-	-	-	-	-	-		
Total	279.0	322.8	126.0	300.0	73.8	293.4	384.0	47.4	374.4	376.8	241.2		

Table February 1974. (continued)

Hour of Day	Day of 1974						
	54	55	56	57	58	59	
0500-0600	-	-	-	-	-	-	
0600-0700	.01	.01	-	.01	.05	.01	
0700-0800	.20	.20	.02	.20	.34	.21	
0800-0900	.50	.49	.08	.51	.59	.48	
0900-1000	.75	.73	.19	.76	.75	.69	
1000-1100	.83	.86	.34	.95	.84	(.93) ^a	
1100-1200	1.03	.92	.29	1.04	1.02	(1.00) ^a	
1200-1300	1.03	.91	.53	1.03	1.03	(1.01) ^a	
1300-1400	.94	.94	.42	.96	.59	.93	
1400-1500	.78	.68	.42	.79	.41	.78	
1500-1600	.53	.37	.47	.56	.42	.51	
1600-1700	.28	.11	.23	.30	.15	.12	
1700-1800	.05	.01	.01	.04	.03	.02	
1800-1900	-	-	-	-	-	-	
1900-2000	-	-	-	-	-	-	
Total	415.8	373.8	180.0	429.0	373.2	401.4	

^avalue includes some estimated values.

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values ($\text{g cal/cm}^2 \text{ hour}$)
and Daily Totals ($\text{g cal/cm}^2 \text{ day}$). March 1974.

Hour of Day	Day of 1974										
	60	61	62	63	64	65	66	67	68	69	70
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	.01	-	.01	.01	.01	.02	.02	.01	-	-	.02
0700-0800	.22	.02	.15	.13	.16	.26	.12	.15	.04	.05	.29
0800-0900	.53	.08	.37	.36	.31	.38	.24	.42	.07	.23	.55
0900-1000	.54	.25	.54	.22	.15	.40	(.52) ^a	.67	.14	.59	.64
1000-1100	.56	.53	.62	.46	.07	.39	.81	.87	.14	.71	.90
1100-1200	.90	.89	.88	.77	.11	.23	.92	.68	.17	1.01	1.14
1200-1300	1.04	.61	.89	.90	.25	.30	.88	.93	.24	.71	1.02
1300-1400	.96	.87	.81	.83	.23	.23	.96	.62	.20	.81	.71
1400-1500	.79	.51	.62	.72	.19	.10	.80	(.79) ^a	.15	.72	.25
1500-1600	.53	.49	.37	.42	.09	.03	.31	.51	.08	.34	.19
1600-1700	.22	.11	.16	.20	.04	.03	.08	.27	.04	.13	.05
1700-1800	.04	.03	.02	.03	.02	.01	.05	.08	.01	.07	.01
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	380.4	263.4	326.4	303.0	97.8	142.8	342.6	360.0	76.8	322.2	346.2

^avalue includes some estimated hourly values.

Table March 1974. (continued)

Hour of Day	Day of 1974											
	71	72	73	74	75	76	77	78	79	80	81	
0500-0600	-	-	-	-	-	-	-	-	-	-	-	
0600-0700	.01	.03	.03	(.03) ^a	.02	.01	.03	.01	-	-	.07	
0700-0800	.13	.30	.28	(.26) ^a	.15	.14	.31	.09	.05	.02	.38	
0800-0900	.26	.62	.58	.55	.39	.33	.62	.32	.27	.03	.66	
0900-1000	.30	.87	.84	.80	.06	.56	.90	.32	.73	.03	.92	
1000-1100	.69	1.07	1.04	.73	.09	.82	1.08	.16	.85	.04	1.12	
1100-1200	.69	1.18	1.16	1.02	.06	.74	1.19	.25	.92	.10	1.24	
1200-1300	.61	1.18	1.18	1.07	.06	1.07	1.21	.58	.87	.80	1.24	
1300-1400	.27	1.10	1.10	1.04	.07	.84	1.13	.49	.95	1.06	1.16	
1400-1500	.19	.94	.94	.92	.03	.70	.98	.26	.91	.85	1.00	
1500-1600	.17	.72	(.72) ^a	.78	.05	.72	.73	.12	.70	.61	.76	
1600-1700	.09	.44	(.44) ^a	.41	.03	.44	.44	.03	.41	.40	.45	
1700-1800	.02	.15	(.15) ^a	.12	-	.08	.17	.04	.15	.09	.20	
1800-1900	-	-	-	-	-	-	-	-	-	-	.01	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	
Total	205.8	516.0	507.6	463.8	60.0	387.0	527.4	160.2	408.6	241.8	552.6	

^a value includes some estimated hourly values.

Table March 1974. (continued)

Hour of Day	Day of 1974									
	82	83	84	85	86	87	88	89	90	
0500-0600	-	-	-	-	-	-	-	-	-	-
0600-0700	.07	.06	.03	.10	.05	.11	.02	.01	.02	
0700-0800	.29	.25	.13	.39	.31	.36	.05	.04	.08	
0800-0900	.60	.56	.26	.69	.54	.61	.10	.07	.20	
0900-1000	.88	.82	.43	.74	.81	.87	.07	.08	.24	
1000-1100	1.08	.63	.50	1.12	1.09	1.06	.06	.09	.42	
1100-1200	1.18	.66	.64	1.21	1.23	1.14	.06	.08	.37	
1200-1300	1.20	.61	.70	1.21	1.24	1.11	.04	.06	.16	
1300-1400	1.04	.75	1.21	1.11	1.10	1.01	.06	.01	.23	
1400-1500	.94	.83	.97	.97	.81	.92	.05	.03	.40	
1500-1600	.85	.72	.62	.71	.29	.61	.03	.09	.61	
1600-1700	.72	.24	.40	.36	.25	.27	.02	.09	.46	
1700-1800	.15	.16	.11	.16	.12	.08	.01	.05	.06	
1800-1900	.01	.01	.01	.01	.01	.01	-	-	-	
1900-2000	-	-	-	-	-	-	-	-	-	
Total	540.6	378.0	360.6	526.8	471.0	489.6	34.2	42.0	195.0	

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm² hour)
and Daily Totals (g cal/cm² day). April 1974.

Hour of Day	Day of 1974										
	91	92	93	94	95	96	97	98	99	100	101
0500-0600	-	-	-	-	-	-	-	-	-	.01	.03
0600-0700	.15	.05	.14	-	.04	.09	.20	.12	.01	.20	.27
0700-0800	.17	.07	.42	.07	.11	.38	.50	.19	.03	.50	.49
0800-0900	.19	.18	.72	.09	.16	.78	.80	.24	.04	.80	.64
0900-1000	.49	.30	.87	.11	.09	.67	1.16	.19	.10	1.05	.95
1000-1100	.81	.62	1.20	.21	.05	.70	1.23	.26	.16	1.22	1.01
1100-1200	.91	.55	.91	.18	.10	.98	1.28	.11	.12	1.32	1.23
1200-1300	1.03	.57	1.20	.28	.15	.57	1.21	.08	.14	1.32	1.19
1300-1400	.91	.42	1.16	.25	.28	.52	.80	.09	.16	1.24	1.09
1400-1500	.91	.99	.94	.16	.69	.39	1.07	.08	.16	1.08	.65
1500-1600	.61	.75	.50	.15	.57	.39	.58	.04	.19	.85	.55
1600-1700	.23	.46	.23	.07	.36	.44	.29	.01	.09	.52	.42
1700-1800	.06	.16	.03	.02	.14	.14	.08	-	.02	.20	.18
1800-1900	-	-	-	-	-	-	-	-	-	.013	.01
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	388.2	307.2	499.2	95.4	164.4	363.0	552.0	84.6	73.2	619.2	522.6

Table April 1974. (continued)

Hour of Day	Day of 1974											
	102	103	104	105	106	107	108	109	110	111	112	
0500-0600	.04	-	-	.02	.03	.02	.02	.02	.04	.03	.04	
0600-0700	.17	.02	.05	.21	.23	.25	.26	.10	.26	.25	.15	
0700-0800	.32	.04	.19	.57	.31	.53	.54	.31	.58	.56	.46	
0800-0900	.73	.06	.26	.84	.33	.82	1.21	.41	.86	.85	.87	
0900-1000	.95	.12	.29	(.94) ^a	.36	1.08	1.06	.40	1.13	1.08	1.08	
1000-1100	.81	.14	.45	1.03	.53	1.26	1.23	.30	1.28	1.25	1.10	
1100-1200	.84	.31	.56	1.41	.89	1.35	1.29	1.02	1.35	1.32	1.31	
1200-1300	1.06	.27	.63	1.36	1.39	1.34	1.32	.76	1.37	1.32	1.21	
1300-1400	1.00	.59	.87	1.08	1.31	1.25	1.24	.55	1.28	1.18	.81	
1400-1500	.87	.82	.64	1.06	1.09	1.05	1.07	.35	1.10	.89	.71	
1500-1600	.71	.81	.29	.82	.83	.82	.81	.34	.86	.60	.28	
1600-1700	.30	.46	.36	.54	.53	.54	.53	.11	.58	.59	.19	
1700-1800	.21	.14	.19	.26	.12	.23	.22	.24	.25	.14	.07	
1800-1900	.03	.02	.02	.02	.01	.02	.02	.02	.02	.05	.01	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	
Total	482.4	228.0	288.0	609.6	477.6	633.6	649.2	295.8	657.6	606.6	497.4	

^avalue includes some estimated hourly values.

Table April 1974. (continued)

Hour of Day	Day of 1974									
	113	114	115	116	117	118	119	120		
0500-0600	.02	.03	.04	-	-	(.03) ^a	.03	.05		
0600-0700	.07	.10	.30			(.20) ^a	.18	.28		
0700-0800	.16	.26	.61			(.50) ^a	.40	.54		
0800-0900	.39	.38	.89			(.60) ^a	.67	.82		
0900-1000	.71	.36	1.14			.71	.97	1.05		
1000-1100	1.27	.36	1.30			.79	1.21	1.20		
1100-1200	1.37	.39	1.39		NO DATA	.96	1.22	1.33		
1200-1300	1.38	.40	1.38		NO DATA	1.00	1.35	.92		
1300-1400	1.28	.50	(1.30) ^a			.93	1.22	1.09		
1400-1500	.92	.28	(1.10) ^a			.53	1.02	.84		
1500-1600	.18	.10	(.80) ^a			.80	.80	.80		
1600-1700	.07	.08	(.55) ^a			.46	.53	.44		
1700-1800	.08	.02	(.30) ^a			.28	.22	.25		
1800-1900	.01	-	(.02) ^a			.03	.03	.04		
1900-2000	-	-	-	-	-	-	-	-		
Total	474.6	195.6	667.2			469.2	591.0	579.0		

^avalue includes some estimated hourly values.

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm² hour)
and Daily Totals (g cal/cm² day). May 1974.

Hour of Day	Day of 1974											
	121	122	123	124	125	126	127	128	129	130	131	
0500-0600	.03	.06	-	.10	.06	.04	.10	.08	.04	.01	.02	
0600-0700	.20	.28	.02	.38	.28	.14	.34	.34	.10	.06	.11	
0700-0800	.50	.22	.10	.66	.52	.52	.66	.62	.14	.18	.34	
0800-0900	.96	.34	.28	.98	.66	.90	.96	.90	.16	.50	.74	
0900-1000	(1.16) ^a	.46	.38	1.20	1.00	1.12	1.06	1.14	.14	.70	1.00	
1000-1100	(1.30) ^a	.28	.56	1.34	.76	1.30	1.38	1.28	.10	.84	.90	
1100-1200	1.40	.30	.66	1.42	1.00	1.36	1.48	1.38	.14	.54	1.20	
1200-1300	1.40	.32	1.28	1.42	.84	1.40	.61	1.36	.26	.62	1.30	
1300-1400	1.28	.20	1.03	1.33	.50	1.18	1.26	1.26	1.16	.65	1.20	
1400-1500	1.12	.26	.79	1.14	.32	.76	1.15	1.06	.74	1.06	1.00	
1500-1600	.70	.13	.52	.90	.20	.20	.70	.82	.42	.76	.78	
1600-1700	.38	.10	.37	.62	.12	.16	.60	.56	.18	.50	.48	
1700-1800	.14	.03	.14	.30	.04	.06	.30	.24	.14	.20	.20	
1800-1900	.02	-	.04	.02	-	.02	.02	.02	.04	.04	.02	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	
Total	635.4	178.8	373.2	708.6	378.0	549.6	637.2	663.6	225.6	399.6	557.4	

^a value includes some estimated hourly values.

Table May 1974. (continued)

Hour of Day	Day of 1974													
	132	133	134	135	136	137	138	139	140	141	142			
0500-0600	.02	(.10) ^a	.12	.16	.05	.10	-	.01	.10	.04	.08			
0600-0700	.11	(.40) ^a	.40	.42	.36	.38	.10	.09	.40	.20	.30			
0700-0800	.22	(.60) ^a	.70	.70	.64	.66	.44	.16	.66	.39	.56			
0800-0900	.23	(.70) ^a	.96	1.00	.92	.92	.58	.05	.88	.52	.80			
0900-1000	.35	(.80)	1.16	1.20	1.12	1.11	.48	.14	1.12	.52	1.04			
1000-1100	.20	.92	1.30	1.34	1.20	1.24	.66	.20	1.28	.92	1.12			
1100-1200	.17	.94	1.38	1.40	1.28	1.30	.50	.19	1.38	1.20	1.20			
1200-1300	.17	1.08	1.34	1.34	1.32	1.32	1.27	.26	1.38	1.33	1.30			
1300-1400	.09	1.13	1.24	1.26	1.20	1.22	1.04	.32	1.30	1.30	1.28			
1400-1500	.08	1.13	1.06	1.08	1.00	1.04	.64	.34	1.12	1.16	1.08			
1500-1600	.06	.84	.82	.80	.80	.74	.62	.34	.94	.95	.76			
1600-1700	.05	.55	.54	.54	.50	.50	.50	.33	.66	.66	.54			
1700-1800	.03	.19	.26	.14	.12	.22	.20	.24	.34	.34	.26			
1800-1900	-	.03	.04	.01	.04	.06	.04	.03	.10	.10	.08			
1900-2000	-	-	-	-	-	-	-	-	-	-	-			
Total	106.8	564.6	679.2	683.4	633.0	648.6	424.2	162.0	699.6	577.8	624.0			

^avalue includes some estimated hourly values.

Table May 1974. (continued)

Hour of Day	Day of 1974										
	143	144	145	146	147	148	149	150	151		
0500-0600	.01	.08	.06	.05	.01	.10	.01	.06	.04		
0600-0700	.05	.20	.30	.22	.03	.34	.04	.23	.16		
0700-0800	.08	.14	.39	.64	.04	.64	.16	.44	.12		
0800-0900	.05	.04	.52	.90	.12	.92	.16	.60	.20		
0900-1000	.12	.10	.98	1.10	.25	1.16	.26	.36	.24		
1000-1100	.21	.46	.95	.89	.24	1.16	.26	.13	.16		
1100-1200	.36	1.19	.65	.56	.64	1.32	.94	.40	.14		
1200-1300	.48	1.31	1.24	1.06	.84	1.31	1.08	.62	.18		
1300-1400	.53	1.26	.93	.74	.56	1.10	1.27	1.16	(.22) ^a		
1400-1500	.56	.71	1.02	.80	.16	1.20	.90	.70	(.24) ^a		
1500-1600	.58	.85	.91	.72	.20	1.00	.50	.46	.24		
1600-1700	.56	.47	.58	.46	.16	.74	.30	.32	.16		
1700-1800	.40	.34	.38	.20	.26	.34	.04	.28	.14		
1800-1900	.10	.12	.10	.06	.06	.10	.02	.08	(.06)		
1900-2000	-	-	-	-	-	-	-	-	-		
Total	245.4	436.2	540.6	504.0	214.2	685.8	356.4	350.4	138.0		

^avalue includes some estimated hourly values.

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values ($\text{g cal/cm}^2 \text{ hour}$)
and Daily Totals ($\text{g cal/cm}^2 \text{ day}$). June 1974.

Hour of Day	Day of 1974											
	152	153	154	155	156	157	158	159	160	161	162	
0500-0600			.08	.10	.06	.10	.04	-	.09	.12	.06	
0600-0700			.23	.34	.20	.38	.10	.05	.34	.32	.26	
0700-0800			.38	.60	.51	.64	.12	.10	.58	.40	.58	
0800-0900			.52	.90	.84	.92	.20	.36	.82	.88	.92	
0900-1000			.75	1.10	1.12	1.08	.38	.46	.90	1.08	1.16	
1000-1100			1.00	1.26	1.32	1.24	.44	.50	.88	1.26	1.32	
1100-1200	NO DATA		1.26	1.26	1.22	1.24	.38	.40	1.18	1.34	1.42	
1200-1300	NO DATA		1.26	1.34	1.42	1.28	.42	.48	1.22	1.34	1.42	
1300-1400			1.30	1.24	1.34	1.34	.38	.80	1.22	1.26	1.38	
1400-1500			1.14	1.02	1.16	1.06	.20	1.01	1.10	1.12	1.18	
1500-1600			.92	.94	1.00	.84	.24	.64	.88	.92	1.00	
1600-1700			.64	.68	.70	.66	.12	.49	.62	.68	.74	
1700-1800			.38	.40	.40	.32	.08	.40	.34	.38	.38	
1800-1900			.11	.12	.14	.06	.02	.10	.10	.10	.12	
1900-2000			-	-	-	-	-	-	-	-	-	
Total			598.2	673.0	685.8	669.6	187.2	347.4	616.2	672.0	716.4	

Table June 1974. (continued)

Hour of Day	Day of 1974											
	163	164	165	166	167	168	169	170	171	172	173	
0500-0600	.12	.12	.06	.06	.02	.06	.10	.10	.10	.10	.10	.10
0600-0700	.27	.38	.25	.16	.28	.32	.20	.38	.34	.22	.28	.28
0700-0800	.40	.64	.33	.58	.28	.51	.44	.60	.60	.56	.56	.56
0800-0900	.62	(.86) ^a	.81	.86	.24	1.00	.90	.90	(.82) ^a	.80	.86	.86
0900-1000	.68	1.04	1.05	.84	1.16	1.14	1.14	1.16	1.06	.76	.88	.88
1000-1100	1.14	1.28	1.22	1.19	.36	1.36	1.08	1.12	1.22	1.12	.64	.64
1100-1200	1.40	1.34	1.33	1.32	.22	1.35	.70	1.26	1.30	.61	.74	.74
1200-1300	1.20	1.40	1.30	1.34	.36	1.12	1.10	1.27	.96	.52	.92	.92
1300-1400	1.32	1.28	1.34	1.28	.70	1.02	1.02	1.32	.52	.38	1.07	1.07
1400-1500	.76	1.14	1.14	1.14	.76	.84	1.22	1.00	.52	.38	.70	.70
1500-1600	.32	.92	.88	.94	.92	.72	.46	.90	.26	.56	.36	.36
1600-1700	.14	.66	.60	.68	.80	.68	.66	.64	.18	.54	.20	.20
1700-1800	.26	.34	.38	.38	.34	.28	.40	.32	.20	.10	.12	.12
1800-1900	.14	.14	.12	.14	.12	.12	.12	.12	-	.02	.05	.05
1900-2000	-	-	-	-	-	-	-	-	-	-	-	-
Total	526.2	692.4	648.6	654.6	393.6	631.2	572.4	665.4	484.8	400.2	448.8	448.8

^avalue includes some estimated hourly values.

Table June 1974. (continued)

Hour of Day	Day of 1974										
	174	175	176	177	178	179	180	181			
0500-0600	.02	.04	.08	.06	.02	.04	.04	.06			
0600-0700	.11	.14	.26	.12	.14	.08	.14	.30			
0700-0800	.24	.26	.20	.14	.32	.08	.50	.56			
0800-0900	.20	.46	.42	.42	.36	.14	.86	.80			
0900-1000	.16	.50	.30	.60	-	.16	.60	1.04			
1000-1100	.18	1.02	.53	.26	-	.18	.88	1.16			
1100-1200	.08	.92	1.06	.46	.72	.20	1.28	1.28			
1200-1300	.10	1.14	.66	.54	.34	.18	1.05	1.30			
1300-1400	.10	1.11	1.01	.74	.24	.16	.72	1.26			
1400-1500	.07	.92	1.10	1.06	.48	.12	.85	1.10			
1500-1600	.08	.58	.52	.56	-	.14	.55	.90			
1600-1700	.04	.32	.34	.60	.48	.12	.52	.64			
1700-1800	.02	.04	.24	.10	.28	.08	.30	.38			
1800-1900	.01	-	.10	-	.06	.04	.06	.12			
1900-2000	-	-	-	-	-	-	-	-			
Total	84.6	447.0	343.2	339.6	206.4	103.2	501.0	654.0			

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values ($\text{g cal/cm}^2 \text{ hour}$)
and Daily Totals ($\text{g cal/cm}^2 \text{ day}$). July 1974.

Hour of Day	Day of 1974											
	182	183	184	185	186	187	188	189	190	191	192	
0500-0600	.03	.11	.07	.09	-	.07	.06	.10	.07	.06	.06	
0600-0700	.18	.33	.33	.32	.09	.16	.16	.34	.24	.25	.09	
0700-0800	.31	.62	.56	.60	.29	.26	.42	.60	.45	.49	.60	
0800-0900	.33	.90	.80	.83	.44	.38	.67	1.10	.71	.77	.91	
0900-1000	.45	1.12	1.00	1.03	.79	.46	1.00	1.09	.99	.97	1.01	
1000-1100	1.14	1.25	1.22	1.19	1.06	.52	1.22	1.15	1.14	1.11	1.41	
1100-1200	1.26	1.34	1.31	1.27	1.04	.49	1.35	1.23	1.17	1.16	1.49	
1200-1300	1.35	1.38	1.29	1.30	1.08	.64	1.33	(1.23) ^a	1.16	1.12	1.42	
1300-1400	.70	1.26	(1.10) ^a	1.19	.75	.57	1.31	1.23	1.15	.97	1.38	
1400-1500	.82	1.12	(.95) ^a	1.03	.43	.53	1.08	1.07	1.02	.97	1.21	
1500-1600	.33	.92	.86	.85	.45	.25	.89	.88	.80	.76	.97	
1600-1700	.23	.63	.63	.61	.47	.14	.62	.64	.60	.33	.72	
1700-1800	.38	.35	.36	.37	.10	.12	.34	.38	.36	.19	.44	
1800-1900	.12	.11	.12	.13	.01	.06	.12	.14	.12	.04	.16	
1900-2000	-	-	-	-	-	-	-	.01	.01	.01	.02	
Total	457.8	686.4	636.0	643.6	420.0	279.0	634.2	671.4	599.4	552.0	713.4	

^avalue includes some estimated hourly values.

Table July 1974. (continued)

Hour of Day	Day of 1974											
	193	194	195	196	197	198	199	200	201	202	203	
0500-0600	.10	.10	.10	.07	.05	.08	.04	.02	.09	.08	.08	
0600-0700	.36	.30	.30	.26	.14	.32	.13	.03	.32	.19	.32	
0700-0800	.64	.59	.57	.59	.30	.61	.20	.14	.60	.53	.58	
0800-0900	.90	.83	.84	.32	.47	.88	(.45) ^a	.17	.87	.86	.85	
0900-1000	1.14	1.05	1.03	.86	.84	1.11	(.78) ^a	.50	1.11	1.13	1.08	
1000-1100	1.31	1.24	1.24	.90	1.12	1.30	(1.10) ^a	.70	1.30	1.32	1.24	
1100-1200	1.30	1.31	1.32	.95	1.22	1.33	1.17	.96	1.03	1.43	1.36	
1200-1300	1.42	1.19	1.28	1.20	1.25	1.39	1.02	.84	(1.06) ^a	1.29	1.38	
1300-1400	1.21	1.24	1.21	1.21	1.26	1.32	.61	1.23	1.37	1.34	1.34	
1400-1500	1.11	1.12	1.09	.80	.93	1.15	.86	(1.00)	1.21	1.19	1.14	
1500-1600	.86	.76	.87	(.74) ^a	.63	.94	.78	(.70) ^a	1.00	.98	.94	
1600-1700	.56	.67	.67	.67	.67	.67	.60	.24	.74	.69	.69	
1700-1800	.34	.38	.32	.33	.40	.39	.29	.22	.40	.41	.45	
1800-1900	.14	.15	.13	.11	.14	.11	.05	.11	.13	.14	.14	
1900-2000	.01	.01	.01	-	-	.01	.01	-	-	.01	-	
Total	684.0	656.4	658.8	540.6	565.2	696.0	785.4	411.6	673.8	695.4	695.4	

^avalue includes some estimated hourly values.

Table July 1974. (continued)

Hour of Day	Day of 1974										
	204	205	206	207	208	209	210	211	212		
0500-0600	.09	.02	.03	.03	.04	.05	.03	.03			
0600-0700	.23	.02	.08	.11	.16	.22	.21	.11			
0700-0800	.43	.07	.16	.22	.32	.50	.32	.30			
0800-0900	.50	.17	.16	.30	.51	.77	.73				
0900-1000	.63	.15	.24	.14	.97	1.03	.94				
1000-1100	.48	.20	.28	.10	1.15	1.18	1.14				
1100-1200	.82	.25	.20	.30	1.05	1.27	1.24				
1200-1300	.93	.18	(.30) ^a	.60	1.01	1.29	1.37	NO DATA	NO DATA		
1300-1400	.55	.17	.40	1.00	1.00	1.22	1.19				
1400-1500	.42	.21	.75	.68	1.12	1.06	1.04				
1500-1600	.23	.63	.70	.46	.79	.85	.82				
1600-1700	.09	.41	.29	.22	.60	.59	.56				
1700-1800	.10	.17	.18	.13	.32	.31	.27				
1800-1900	.04	.11	.05	.03	.09	.07	.06				
1900-2000	-	.01	-	-	-	-	-	-	-	-	-
Total	332.4	166.2	229.2	259.2	547.8	624.6	595.2				

^a value includes some estimated hourly values.

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm² hour)
and Daily Totals (g cal/cm² day). September 1974.

Hour of Day	Day of 1974											
	244	245	246	247	248	249	250	251	252	253	254	
0500-0600									(.01) ^a	.01	-	
0600-0700									(.16) ^a	.07	.01	
0700-0800									(.37) ^a	.16	.07	
0800-0900									.61	.31	.41	
0900-1000									.65	(.28) ^a	.61	
1000-1100									1.08	.29	1.08	
1100-1200	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	1.17	.47	.94	
1200-1300	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	1.22	.89	1.24	
1300-1400									1.07	.62	.47	
1400-1500									.38	.65	.45	
1500-1600									.23	.68	.43	
1600-1700									.19	.42	.38	
1700-1800									.08	.13	.12	
1800-1900									.01	.01	-	
1900-2000									-	-	-	
Total									433.8	299.4	372.6	

^avalue includes some estimated hourly values.

Table September 1974. (continued)

Hour of Day	Day of 1974											
	255	256	257	258	259	260	261	262	263	264	265	
0500-0600	-	.01	-	.01	.01	-	-	-	-	-	-	-
0600-0700	.03	.13	.03	.15	.13	.03	.11	.07	.03	.06	.03	
0700-0800	.09	.35	.12	.37	.21	.20	.31	.27	.09	.21	.23	
0800-0900	.20	.68	.32	.67	.69	.55	.64	.43	.17	.40	.65	
0900-1000	.75	.96	.79	.79	(.88) ^a	.59	.86	.88	.49	.81	.88	
1000-1100	1.07	1.03	.84	(.55) ^a	1.05	1.04	1.03	.73	1.06	.88	.96	
1100-1200	1.12	1.11	.80	(.61) ^a	1.17	1.08	.84	1.08	1.14	.76	.66	
1200-1300	1.13	1.11	.78	(.68) ^a	.96	.38	.78	1.04	1.14	.61	1.30	
1300-1400	1.07	1.15	.69	(.62) ^a	1.00	.41	.62	.99	.98	.74	.85	
1400-1500	.90	1.07	.43	(.58) ^a	.62	.80	.84	.82	.80	.54	.33	
1500-1600	.54	.67	.33	.53	.60	.54	.63	.62	.52	.28	.16	
1600-1700	.39	.43	.26	.20	.44	.30	.36	.38	.39	.13	.23	
1700-1800	.12	.10	.20	.10	.06	.15	.09	.13	.08	.01	.08	
1800-1900	-	-	.01	.01	.01	.01	.01	.01	.01	-	.01	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	
Total	444.6	528.0	336.0	352.2	469.8	364.8	427.2	447.0	414.0	325.8	382.2	

^avalue includes some estimated hourly values.

Table September 1974. (continued)

Hour of Day	Day of 1974									
	266	267	268	269	270	271	272	273		
0500-0600	-	-	-	-	-	-	-	-		
0600-0700	.05	.11	.03	.09	.10	.02	.07	.11		
0700-0800	.30	.38	.20	.18	.35	.06		.39		
0800-0900	.67	.69	.66	.59	.57	.24		.67		
0900-1000	.91	.92	.94	.89	.86	.14		.89		
1000-1100	1.09	1.09	1.06	.95	1.00	.04		1.04		
1100-1200	1.20	1.18	1.15	1.04	1.09	.13		1.12		
1200-1300	1.20	1.18	1.14	1.01	1.08	.51		1.11		
1300-1400	1.14	1.09	1.01	.68	.96	.25		1.00		
1400-1500	.71	.90	.85	.68	.59	.06		.81		
1500-1600	.71	.69	.58	.32	.51	.11	.56	.41		
1600-1700	.41	.42	.31	.22	.26	.24	.22	.13		
1700-1800	.11	.13	.07	.04	.05	.03	.05	.02		
1800-1900	.01	.01	-	-	-	-	-	-		
1900-2000	-	-	-	-	-	-	-	-		
Total	510.6	527.4	480.0	401.4	445.2	109.8		462.0		

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values ($\text{g cal/cm}^2 \text{ hour}$)
and Daily Totals ($\text{g cal/cm}^2 \text{ day}$). October 1974.

Hour of Day	Day of 1974											
	274	275	276	277	278	279	280	281	282	283	284	
0500-0600	-	-	-	-	-	-	-	-	-	-	-	
0600-0700	(.10) ^a	-	.08	.10	.08	.08	.08	.08	.08	.06	.08	
0700-0800	(.30) ^a	.08	.36	.36	.30	.32	.30	.34	.30	.28	.30	
0800-0900	(.60) ^a	.64	.66	.64	.58	.60	.64	.60	.58	.52	.58	
0900-1000	(.90) ^a	.90	.90	.88	.82	.82	.60	.86	.58	.76	.76	
1000-1100	1.06	1.06	1.00	1.04	.98	.93	1.02	1.02	.56	.92	.86	
1100-1200	1.14	1.00	1.22	1.10	1.04	1.04	.96	1.06	.86	.98	.92	
1200-1300	1.16	1.16	1.00	1.08	1.02	1.04	1.00	1.04	.98	.94	.90	
1300-1400	1.12	1.06	.72	.98	.92	.92	.90	.92	.84	.85	.80	
1400-1500	.86	.66	.40	.73	.74	.74	.62	.74	.70	.70	.62	
1500-1600	.60	.74	.58	.54	.50	.50	.30	.52	.46	.46	.42	
1600-1700	.30	.36	.30	.28	.24	.26	.12	.28	.22	.20	.18	
1700-1800	.06	.04	.02	.02	.02	.02	.02	.02	.02	.01	-	
1800-1900	-	-	-	-	-	-	-	-	-	-	-	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	

^a value includes some estimated hourly values.

Table October 1974. (continued)

Hour of Day	Day of 1974										
	285	286	287	288	289	290	291	292	293	294	295
0500-0600	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	.03	.02	.01	.02	.04	.02
0700-0800	.13	.02	-	.18	-	.28	.21	.21	.21	.26	.25
0800-0900	.37	.21	.08	.27	.04	.50	.56	.34	.51	.54	.52
0900-1000	.59	.32	.12	.44	.15	.76	.76	.77	.72	.76	.74
1000-1100	.68	.48	.17	.28	.12	.91	.95	.91	.84	.92	.91
1100-1200	.88	.85	.23	.69	.08	.99	1.10	.98	.88	.99	.98
1200-1300	.64	.80	.65	.55	.15	.98	.80	.95	.49	.97	.97
1300-1400	.45	.74	.66	.48	.19	.87	.64	.86	.70	.87	.85
1400-1500	.25	.55	.44	.34	.10	.47	.53	.75	.53	.68	.67
1500-1600	.08	.23	.33	.17	.07	.23	.36	.32	.18	.44	.44
1600-1700	.02	-	.14	.07	.04	.01	.12	.20	.08	.20	.16
1700-1800	-	.01	-	-	-	-	-	-	.01	.02	-
1800-1900	-	-	-	-	-	-	-	-	-	-	-
1900-2000	-	-	-	-	-	-	-	-	-	-	-
Total	245.4	252.6	169.2	208.2	56.4	361.8	363.0	378.0	310.2	401.4	390.6

Table October 1974. (continued)

Hour of Day	Day of 1974									
	296	297	298	299	300	301	302	303	304	
0500-0600	-	-	-	-	-	-	-	-	-	-
0600-0700	.01	.02	.01	.01	.01	.01	-	-	-	-
0700-0800	.26	.22	.13	.12	.23	.12	.13	.03	.13	
0800-0900	.48	.47	.15	.34	.47	.40	.34	.12	.37	
0900-1000	.70	.70	.43	.52	.69	.62	.57	.25	.60	
1000-1100	.85	.86	.74	.74	.82	.85	.38	.55	.74	
1100-1200	.83	.92	.82	.85	.91	.67	.41	.47	.80	
1200-1300	.83	.90	.83	.78	.90	.76	.60	.36	.79	
1300-1400	.40	.78	.45	.73	.82	.53	.64	.67	.68	
1400-1500	.19	.62	.21	.53	.66	.38	.48	.52	.52	
1500-1600	.16	.18	.07	.31	.41	.19	.26	.28	.30	
1600-1700	.04	.11	.01	.12	.15	.03	.06	.07	.10	
1700-1800	-	-	-	-	-	-	-	-	-	
1800-1900	-	-	-	-	-	-	-	-	-	
1900-2000	-	-	-	-	-	-	-	-	-	
Total	288.0	246.8	231.0	303.0	364.2	273.6	232.2	199.2	301.8	

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (g cal/cm² hour)
and Daily Totals (g cal/cm² day). November 1974.

Hour of Day	Day of 1974													
	305	306	307	308	309	310	311	312	313	314	315			
0500-0600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	.01	.01			
0700-0800	.01	.08	.08	.10	.03	.16	.03	.18	.18	.15	.09			
0800-0900	.11	.18	.29	.33	.04	.35	.06	.41	.40	.34	.22			
0900-1000	.31	.55	.55	.59	.04	.58	.37	.63	.63	.62	.40			
1000-1100	.61	.70	.70	.64	.09	.80	.62	.78	.77	.76	.59			
1100-1200	.67	.80	.79	.80	.24	.86	.56	.84	.83	.84	.48			
1200-1300	.77	.79	.67	.80	.27	.83	.44	.82	.80	.82	.71			
1300-1400	.77	.62	.68	.73	.52	.71	.24	.72	.69	.69	.71			
1400-1500	.60	.37	.55	.45	.48	.51	.33	.53	.52	.52	.52			
1500-1600	.37	.27	.35	.28	.24	.30	.20	.30	.29	.21	.29			
1600-1700	.14	.11	.10	.08	.06	.04	.06	.06	.05	.04	.05			
1700-1800	.01	.01	.01	-	.01	-	-	-	-	-	-			
1800-1900	-	-	-	-	-	-	-	-	-	-	-			
1900-2000	-	-	-	-	-	-	-	-	-	-	-			
Total	262.2	268.8	286.8	288.0	121.2	308.4	174.6	316.2	309.6	300.0	244.2			

Table November 1974. (continued)

Hour of Day	Day of 1974											
	316	317	318	319	320	321	322	323	324	325	326	
0500-0600	-	-	-	-	-	-	-	-	-	-	-	
0600-0700	-	-	.01	-	.01	-	-	-	-	-	-	
0700-0800	.02	.12	.10	.06	.21	.02	.07	.04	.02	.04	.11	
1800-0900	.04	.39	.19	.33	.36	.08	.13	.10	.04	.06	.34	
0900-1000	.07	.59	.46	.60	.25	.10	.32	.17	.07	.12	.54	
1000-1100	.08	.74	.74	.76	.64	.11	.41	.24	.06	.18	.70	
1100-1200	.07	.84	.75	.80	.79	.19	.38	.43	.08	.15	.78	
1200-1300	.04	.93	.83	.78	.76	.65	.34	.50	.06	.21	.77	
1300-1400	.05	.57	.65	.66	.63	.62	.28	.44	.05	.24	.67	
1400-1500	.03	.39	.48	.49	.48	.47	.17	.46	.02	.13	.51	
1500-1600	.01	.26	.22	.26	.28	.26	.09	.11	.03	.04	.29	
1600-1700	-	.06	.03	.06	.07	.05	.03	.03	.01	.01	.08	
1700-1800	-	-	-	-	-	-	-	-	-	-	-	
1800-1900	-	-	-	-	-	-	-	-	-	-	-	
1900-2000	-	-	-	-	-	-	-	-	-	-	-	
Total	24.6	293.4	267.6	288.0	268.8	153.0	133.2	151.2	26.4	70.8	287.4	

Table November 1974. (continued)

Hour of Day	Day of 1974									
	327	328	329	330	331	332	333	334		
0500-0600	-	-	-	-	-	-	-	-		
0600-0700	-	-	-	-						
0700-0800	.13	.09	.05	.07						
0800-0900	.37	.27	.20	.30						
0900-1000	.51	.48	.30	.53						
1000-1100	.67	.64	.39	.69						
1100-1200	.74	.72	.43	.76	NO DATA	NO DATA	NO DATA	NO DATA		
1200-1300	.72	.71	.11	.76						
1300-1400	.63	.63	.04	.67						
1400-1500	.48	.47	.02	(.48) ^a						
1500-1600	.26	.27	.01	(.24) ^a						
1600-1700	.06	.04	.01	(.04) ^a						
1700-1800	-	-	-	-						
1800-1900	-	-	-	-						
1900-2000	-	-	-	-	-	-	-	-	-	-
Total	274.2	259.2	93.6	272.4						

^avalue includes some estimated hourly values.

Table Incident Total White Light Irradiance at Dock (map 2). Average Hourly Values (q cal/cm² hour) and Daily Totals (q cal/cm² day). December 1974.

Hour of Day	Day of 1974													
	335	336	337	338	339	340	341	342	343	344	345			
0500-0600	-	-	-	-	-	-	-	-	-	-	-			
0600-0700	-	-	-	-	-	-	-	-	-	-	-			
0700-0800		(.01) ^a	.05	.10	.10	.11	.03	-	.08	.08	.09			
0800-0900		(.03) ^a	.30	.32	.31	.33	.11	-	.32	.32	.34			
0900-1000		.04	.40	.52	.51	.51	.20	.10	.49	.50	.49			
1000-1100		.04	.52	.66	.51	.62	.27	.19	.61	.61	.57			
1100-1200		.05	.57	.70	.64	.69	.51	.28	.64	.38	.64			
1200-1300	NO DATA	.11	.66	.69	.55	.66	.39	.43	.21	.40	.67			
1300-1400		.10	.57	.60	.60	(.56) ^a	.26	.35	.23	.26	.45			
1400-1500		.06	.40	.41	.40	(.36) ^a	.18	.40	.14	.23	.29			
1500-1600		.02	.17	.18	.21	(.18) ^a	.10	.15	.11	.13	.10			
1600-1700		-	.02	.02	.03	.02	.01	.02	.02	.02	.01			
1700-1800		-	-	-	-	-	-	-	-	-	-			
1800-1900		-	-	-	-	-	-	-	-	-	-			
1900-2000	-	-	-	-	-	-	-	-	-	-	-			
Total		27.6	219.6	252.0	231.6	242.4	123.6	115.2	171.0	175.8	219.0			

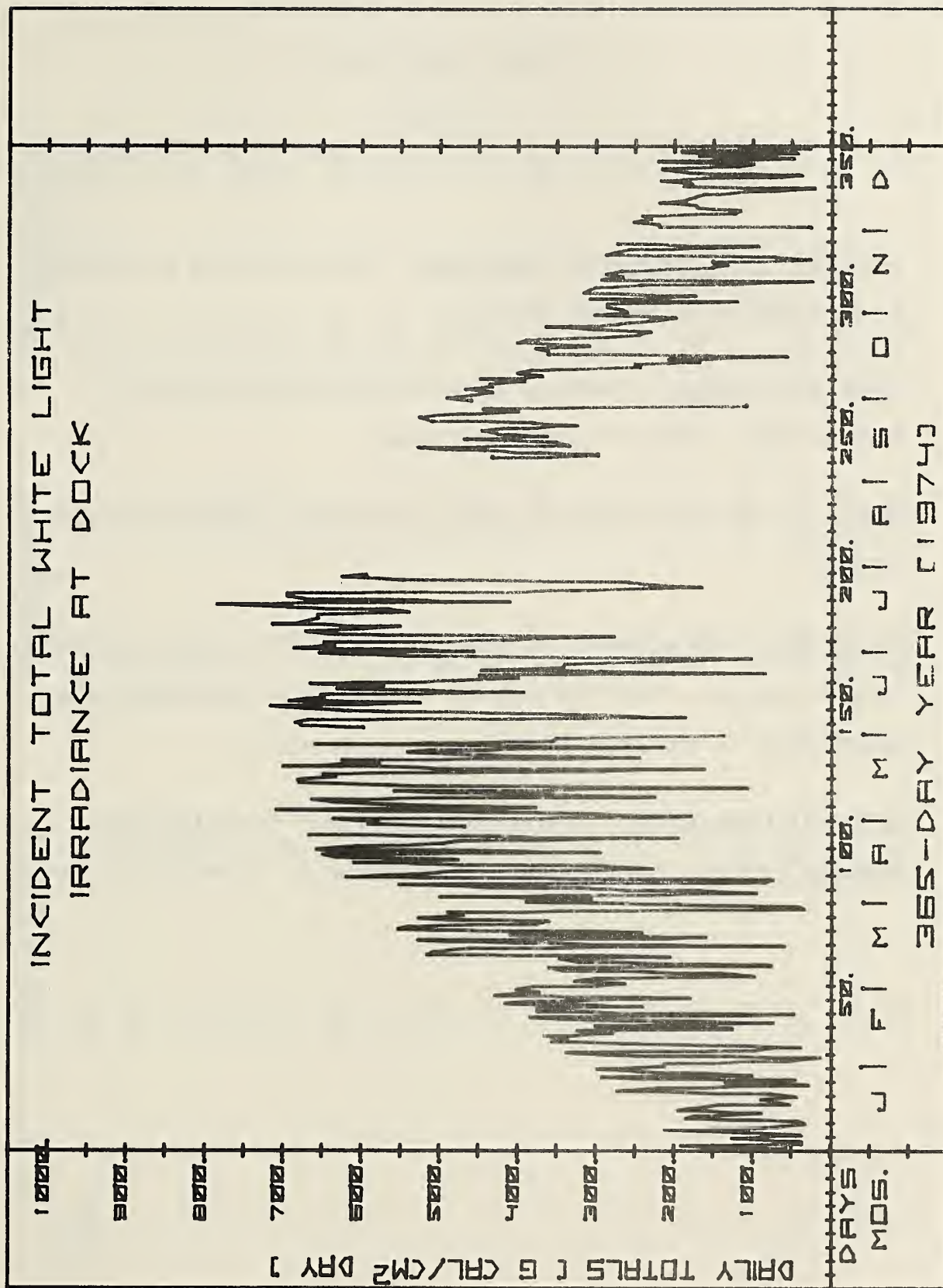
^avalue includes some estimated hourly values.

Table December 1974. (continued)

Hour of Day	Day of 1974													
	346	347	348	349	350	351	352	353	354	355	356			
0500-0600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0700-0800	.01	.07	.04	.02	-	.07	.05	.02	.06	.01	.01			
0800-0900	.09	.26	.25	.09	-	.24	.25	.17	.16	.04	.22			
0900-1000	.42	.30	.42	.22	.01	.29	.39	.42	.36	.06	.44			
1000-1100	.58	.26	.56	.29	.05	.59	.37	.63	.62	.06	.22			
1100-1200	.61	.46	.52	.27	.08	.63	.44	.62	.60	.12	.64			
1200-1300	.58	.66	.63	.28	.08	.62	.32	.60	.40	.14	.46			
1300-1400	.46	.47	.20	.20	.06	.52	.56	.60	.31	.12	.54			
1400-1500	.26	.31	.08	.09	.06	.11	.44	.38	.16	.08	.38			
1500-1600	.10	.12	.01	.03	.02	.07	.15	.14	.06	.01	.16			
1600-1700	-	-	-	-	-	-	-	.04	-	-	-			
1700-1800	-	-	-	-	-	-	-	-	-	-	-			
1800-1900	-	-	-	-	-	-	-	-	-	-	-			
1900-2000	-	-	-	-	-	-	-	-	-	-	-			
Total	186.6	174.6	162.6	89.4	21.6	188.4	178.2	217.2	163.8	38.4	184.2			

Table December 1974. (continued)

Hour of Day	Day of 1974									
	357	358	359	360	361	362	363	364	365	
0500-0600	-	-	-	-	-	-	-	-	-	-
0600-0700	-	-	-	-	-	-	-	-	-	-
0700-0800	.06	.02	-	.04	-	-	-	-	.01	
0800-0900	.26	.10	.02	.24	.06	.04	.02	.07	.06	
0900-1000	.44	.24	.06	.44	.16	.14	.04	.20	.06	
1000-1100	.56	.62	.06	.58	.16	.32	.14	.54	.06	
1100-1200	.62	.26	.06	.68	.12	.62	.18	.64	.14	
1200-1300	.60	.34	.39	.59	.14	.62	.12	.63	.08	
1300-1400	.52	.22	.50	.54	.08	.52	.10	.54	.04	
1400-1500	.38	.14	.40	.40	.05	.38	.09	.36	.02	
1500-1600	.16	.06	.16	.16	.04	.16	.04	.16	-	
1600-1700	.01	.01	.02	.02	-	.01	-	.04	-	
1700-1800	-	-	-	-	-	-	-	-	-	
1800-1900	-	-	-	-	-	-	-	-	-	
1900-2000	-	-	-	-	-	-	-	-	-	
Total	216.6	120.6	100.2	221.4	48.6	168.6	43.8	190.8	28.2	



Weather Station Data

(map 2)

% Relative Humidity and Air Temperature - Measured using a Hygrothermograph - Belfort Instrument Company.

Barometric Pressure - Measured using an aneroid type barometer.
Microbarograph - Belfort Instrument Company.

Rainfall - Measured using a weighing rain gauge - Belfort Instrument Company.

Evaporation - Measurements are taken of the amount of water evaporating from an open pan. Wind run adjacent to the pan and maximum/minimum temperatures of the water in the pan were also taken.

Principal Investigator: Daniel Higman, Smithsonian Institution.

Research Funding: Smithsonian Institution and U. S. Geological Survey.

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
1	98	53	7.2	0	771	758
2	70	50	1.1	-3.3	776	772
3	94	54	1.1	-0.6	769	762
4	97	66	2.2	-2.8	767	762
5	92	62	0	-3.3	768	762
6	93	72	1.7	-0.6	762	757
7	98	56	6.7	-1.7	768	751
8	74	39	0.6	-2.8	771	763
9	96	50	1.7	-2.8	771	760
10	99	84	1.1	-0.6	767	759
11	99	78	5.0	1.1	760	754
12	98	42	2.2	-4.4	773	760
13	90	40	3.3	-9.4	777	773
14	92	46	0.6	-10.0	775	763
15	96	52	10.0	-4.4	762	753
16	98	48	16.0	-2.8	758	751

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
17	85	50	13.3	1.1	770	754
18	82	56	2.2	-2.8	773	764
19	94	64	12.2	2.2	764	759
20	80	60	4.4	2.2	767	764
21	98	80	10.0	1.7	764	755
22	94	44	15.0	1.1	763	760
23	96	44	20.6	0	762	757
24	98	60	11.1	2.2	769	763
25	98	74	6.7	0	769	767
26	100	96	4.4	-1.1	769	760
27	98	42	21.7	5.0	761	755
28	97	68	12.2	0.6	760	750
29	90	48	12.2	5.6	762	752
30	98	46	13.3	0.6	761	759
31	100	34	17.8	-1.7	760	751
32	76	40	8.9	-2.8	764	757

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
33	96	68	6.1	0	759	751
34	96	84	-0.6	-2.2	757	755
35	86	52	1.7	-6.1	763	756
36	72	36	0	-7.8	768	760
37	97	45	0	-8.3	768	757
38	99	60	3.9	0	759	753
39	92	60	-0.6	-5.0	759	752
40	94	46	-0.6	-12.2	762	754
41	92	46	1.1	-12.2	764	756
42	92	38	1.1	-5.6	760	754
43	92	37	8.9	-5.6	752	759
44	94	38	17.8	-1.1	759	753
45	98	48	9.4	1.1	764	758
46	92	48	1.7	-5.6	768	764
47	98	58	1.1	-8.9	768	750
48	98	40	6.7	-1.7	755	749

Weather Station Data

(Continued)

Day of 1974	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
49	86	38	5.6	-6.7	761	755
50	96	76	9.4	0	758	743
51	96	35	11.1	0	764	743
52	96	40	8.9	-5.0	770	762
53	98	40	20.6	6.1	762	740
54	76	34	10.0	-2.8	764	745
55	92	46	6.7	-6.7	766	758
56	96	46	2.2	-3.3	763	759
57	76	36	2.8	-6.7	770	763
58	94	40	4.4	-10.0	772	768
59	94	34	15.0	-5.0	768	758
60	78	40	13.3	2.8	762	756
61	100	67	10.0	-0.6	764	758
62	101	62	15.6	2.2	762	757
63	84	40	25.0	10.0	759	753
64	80	46	18.9	10.0	759	752

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
65	98	50	12.2	2.2	764	759
66	100	52	23.9	3.3	761	758
67	98	40	16.7	7.8	764	760
68	98	64	7.2	4.4	766	760
69	98	32	15.6	2.8	768	757
70	97	36	7.8	-3.3	769	762
71	98	44	7.8	1.1	761	757
72	70	35	5.6	-4.4	760	757
73	80	34	10.6	-2.8	764	760
74	96	34	11.7	-5.6	767	760
75	98	54	13.3	4.4	756	749
76	56	35	8.9	4.4	752	749
77	80	32	12.2	0	756	752
78	94	56	13.3	-0.6	754	749
79	86	50	10.0	2.2	760	754
80	100	48	14.4	5.6	759	743

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
81	70	28	11.1	-1.7	764	757
82	97	49	15.6	-1.1	764	756
83	94	26	13.3	2.8	767	753
84	82	21	2.2	-4.4	774	767
85	88	21	14.4	-6.7	768	759
86	84	40	11.7	3.9	768	762
87	95	32	13.3	1.1	762	759
88	90	57	7.2	2.8	762	751
89	89	36	-	-	751	740
90	-	-	-	-	742	755
91	89	36	13.3	6.7	759	754
92	85	18	24.4	5.0	758	750
93	88	50	22.2	5.0	760	755
94	87	49	23.3	14.4	755	751
95	90	42	20.0	10.0	755	751
96	65	33	9.4	5.6	761	753

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
97	92	21	15.6	-3.3	764	759
98	91	38	13.9	10.0	759	753
99	90	60	11.1	2.8	756	749
100	85	14	12.2	0.6	767	757
101	90	26	15.6	-2.2	772	767
102	85	33	24.4	11.7	768	761
103	89	50	23.3	12.2	761	758
104	91	51	23.3	9.4	759	748
105	67	27	21.7	10.6	756	748
106	83	31	15.6	5.0	762	756
107	92	21	17.8	1.1	764	761
108	87	20	22.2	4.4	761	758
109	98	36	16.7	1.7	766	758
110	98	24	15.6	-1.7	771	766
111	86	32	23.3	3.9	769	762
112	80	40	26.7	15.0	762	753

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
113	94	24	20.0	6.7	756	750
114	70	50	12.2	6.7	762	756
115	99	28	20.0	7.2	765	762
116	88	24	22.2	8.9	764	761
117	98	22	20.2	4.4	768	763
118	98	36	22.2	5.6	769	762
119	94	24	32.8	14.4	762	758
120	96	32	30.0	12.8	759	753
121	84	26	23.9	13.3	762	753
122	98	44	12.8	8.9	766	759
123	98	54	21.7	8.9	759	752
124	86	24	18.9	7.2	760	755
125	96	34	12.8	7.8	762	757
126	96	44	16.7	6.1	757	751
127	98	30	14.4	1.1	761	756
128	98	34	16.7	-0.6	763	760

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
129	96	69	16.7	12.2	760	756
130	90	54	22.2	12.8	759	755
131	92	58	20.0	11.1	761	757
132	96	50	18.3	7.2	757	742
133	96	36	18.3	8.9	760	750
134	96	50	21.1	7.2	761	758
135	89	44	27.8	16.7	758	755
136	96	40	28.9	16.7	762	758
137	94	44	32.8	18.9	759	756
138	80	56	21.7	11.1	762	758
139	96	62	20.0	10.0	764	761
140	98	44	21.1	7.2	767	764
141	96	36	23.3	7.2	766	762
142	94	48	30.0	11.7	762	755
143	95	56	23.9	15.6	757	753
144	96	50	26.7	13.9	759	754

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature O C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
145	97	36	21.1	11.1	759	757
146	90	36	21.1	10.6	759	758
147	94	50	17.8	11.1	759	756
148	98	28	22.2	7.8	762	759
149	93	52	26.7	16.7	759	751
150	95	60	24.4	17.8	758	751
151	94	72	22.2	16.7	760	756
152	93	72	23.9	17.2	760	757
153	94	86	16.7	14.4	761	759
154	92	50	22.2	14.4	764	761
155	96	42	25.0	10.0	766	76.4
156	96	42	25.6	10.6	767	763
157	96	46	31.7	9.4	764	762
158	94	74	19.4	15.6	763	762
159	95	63	25.0	17.8	764	760
160	95	59	27.8	14.4	760	756

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature O ₂ C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
161	92	54	32.2	20.0	756	751
162	90	34	27.8	15.6	756	677
163	95	40	31.1	13.9	759	756
164	98	39	25.6	9.4	761	759
165	98	37	26.1	16.7	762	761
166	98	50	26.1	15.6	761	756
167	92	58	25.6	19.4	756	752
168	96	40	25.0	13.3	756	752
169	97	38	25.6	12.2	761	756
170	94	37	27.8	12.2	762	759
171	92	50	30.0	21.1	759	756
172	95	60	29.4	19.4	756	749
173	95	50	30.0	18.9	750	748
174	94	78	20.0	15.0	754	748
175	90	42	24.4	14.4	755	753
176	94	56	21.7	14.4	757	755

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
177	96	55	21.7	14.4	761	757
178	96	62	21.1	14.4	762	761
179	96	78	17.2	13.3	762	759
180	96	56	23.3	12.8	762	760
181	96	40	28.3	12.8	761	755
182	92	44	30.0	20.6	759	755
183	94	36	30.0	15.0	762	759
184	94	44	33.3	18.9	762	760
185	94	44	31.7	21.1	761	758
186	92	58	30.0	22.2	760	758
187	94	66	26.7	20.0	762	760
188	94	38	30.6	18.3	763	761
189	94	36	34.4	17.8	761	759
190	92	36	35.0	18.9	759	756
191	92	44	33.9	20.0	756	753
192	89	38	31.7	14.4	760	754

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
193	98	30	27.8	11.1	762	760
194	96	34	27.8	12.8	763	760
195	94	34	33.3	14.4	758	755
196	89	46	32.2	22.2	755	753
197	94	40	28.9	17.8	762	755
198	96	34	27.8	12.8	766	762
199	92	52	31.1	16.1	766	760
200	94	45	31.7	21.7	757	755
201	90	34	26.7	13.9	760	757
202	97	32	26.7	11.7	761	760
203	97	34	27.8	12.2	761	760
204	94	50	24.4	13.9	762	761
205	92	68	23.9	17.2	761	760
206	98	60	23.3	15.6	762	760
207	90	66	25.6	20.6	762	760
208	94	50	29.4	18.9	760	758

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
209	94	50	30.0	17.2	759	756
210	92	50	29.4	18.9	755	753
211	94	54	27.8	17.2	759	754
212	94	40	30.0	17.2	761	759
213	96	36	30.0	13.9	761	760
214	94	60	30.0	18.3	761	760
215	92	60	29.4	21.1	762	760
216	94	56	30.0	21.1	762	758
217	93	38	27.8	17.2	761	759
218	92	42	25.6	16.7	764	761
219	94	60	23.9	16.7	765	763
220	96	70	24.4	15.6	765	763
221	96	60	26.7	17.8	762	760
222	92	56	24.4	18.3	765	760
223	96	40	25.6	12.2	766	764
224	97	40	25.6	10.0	765	761

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
225	94	64	27.2	20.0	761	759
226	94	52	32.2	18.9	762	761
227	92	44	29.4	19.4	765	762
228	94	56	29.4	17.2	764	761
229	94	58	30.0	20.0	761	754
230	94	38	30.0	17.2	758	756
231	92	55	26.7	18.9	761	758
232	96	34	29.4	16.1	766	762
233	92	46	28.9	17.8	767	766
234	92	50	31.1	22.8	766	762
235	94	54	29.4	21.1	763	761
236	94	52	30.6	25.6	762	760
237	94	50	28.9	20.0	763	761
238	96	62	28.3	21.1	762	760
239	94	60	30.0	20.0	761	758
240	92	54	32.2	21.7	758	756

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
241	94	50	33.3	20.6	758	756
242	92	46	32.2	22.2	758	756
243	92	60	28.9	21.1	758	756
244	92	50	29.4	18.9	759	755
245	92	50	26.7	18.9	759	754
246	93	54	30.0	15.6	756	752
247	93	50	26.1	12.2	763	756
248	94	56	20.6	10.0	767	763
249	92	86	18.3	16.1	767	763
250	94	80	18.9	14.4	763	762
251	93	48	24.4	15.6	764	762
252	94	44	26.1	15.0	764	763
253	92	50	26.7	16.1	763	761
254	92	66	26.7	18.9	762	761
255	94	50	31.1	18.3	761	758
256	92	46	30.6	19.4	759	757

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
257	94	50	21.7	11.7	762	737
258	96	46	22.8	8.9	763	761
259	94	40	25.6	11.1	762	761
260	92	50	26.1	15.0	762	757
261	94	45	26.7	13.9	762	759
262	93	44	27.8	15.6	765	762
263	94	42	28.3	15.6	763	760
264	92	46	27.8	13.9	760	754
265	94	38	21.1	8.9	763	761
266	94	36	15.0	3.9	770	762
267	96	36	20.0	2.2	771	768
268	96	36	22.2	3.9	766	757
269	96	34	24.4	8.3	757	756
270	96	45	25.6	8.3	761	758
271	94	84	23.3	15.0	760	756
272	92	44	23.3	15.6	756	750

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
273	86	34	21.1	8.9	759	756
274	94	34	19.4	6.1	762	759
275	94	32	13.9	3.3	768	762
276	92	32	10.0	-0.6	763	768
277	94	24	16.1	-2.8	772	762
278	96	21	21.7	2.8	771	769
279	95	30	25.0	5.6	769	763
280	96	35	23.9	7.8	763	760
281	94	36	15.6	3.3	763	760
282	98	33	17.8	4.4	762	761
283	94	30	22.8	2.8	764	761
284	94	30	22.2	5.6	768	764
285	94	40	23.9	12.2	768	764
286	92	50	21.7	11.7	767	764
287	88	64	22.2	15.0	767	762
288	88	46	25.6	12.2	762	760

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
289	94	86	12.8	10.0	769	754
290	92	32	20.6	4.4	761	755
291	94	34	13.3	6.7	762	756
292	92	32	9.4	-1.7	764	761
293	92	34	8.3	-3.3	770	762
294	90	23	10.0	-2.2	775	770
295	96	16	18.9	-2.8	776	770
296	96	27	21.1	-1.1	764	762
297	98	26	12.8	2.2	768	766
298	90	42	21.7	4.4	766	760
299	94	48	17.8	3.3	766	762
300	96	18	21.1	1.1	764	762
301	96	40	18.9	1.7	767	764
302	94	58	21.1	5.6	769	767
303	96	54	22.2	10.0	770	767
304	94	50	23.3	11.1	767	764

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
305	94	32	28.9	13.9	764	761
306	88	30	24.4	13.3	764	762
307	97	46	21.1	10.0	762	757
308	92	28	28.9	13.9	757	753
309	92	48	22.2	14.4	757	754
310	88	36	16.1	3.3	763	757
311	93	46	13.3	2.2	763	762
312	82	34	15.6	5.0	764	762
313	96	28	17.8	1.1	766	763
314	98	24	15.6	-1.1	766	763
315	98	54	14.4	-2.2	763	758
316	94	86	14.4	4.4	758	748
317	90	32	11.7	2.8	760	749
318	90	34	18.3	3.9	760	757
319	94	30	7.8	-3.3	766	760
320	96	30	11.1	-6.1	770	767

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
321	92	38	11.1	-1.7	766	763
322	96	54	10.0	-2.2	766	761
323	98	68	11.1	1.1	762	757
324	95	40	13.3	8.3	757	745
325	48	40	8.3	5.6	750	744
326	90	36	10.0	-2.8	766	750
327	92	44	14.4	-5.6	770	766
328	90	30	19.4	2.2	766	757
329	96	48	13.3	0	760	757
330	88	32	2.8	-6.7	768	760
331	98	32	5.6	-3.3	769	761
332	94	28	4.4	-2.8	769	766
333	94	42	5.6	-3.9	769	766
334	98	46	3.3	-5.6	772	765
335	94	72	11.1	2.2	765	741
336	95	74	7.2	3.3	745	741

(Continued)

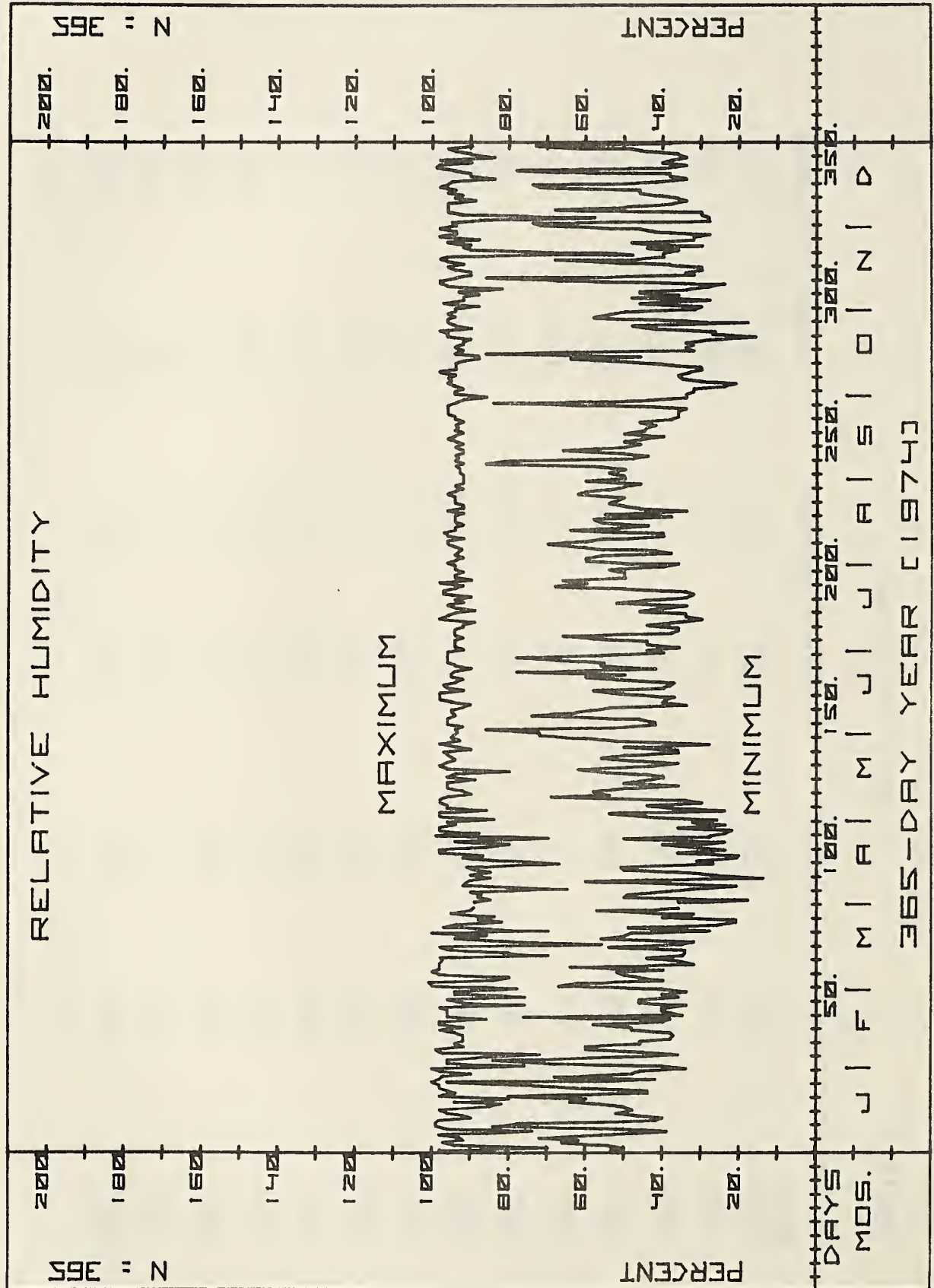
Weather Station Data

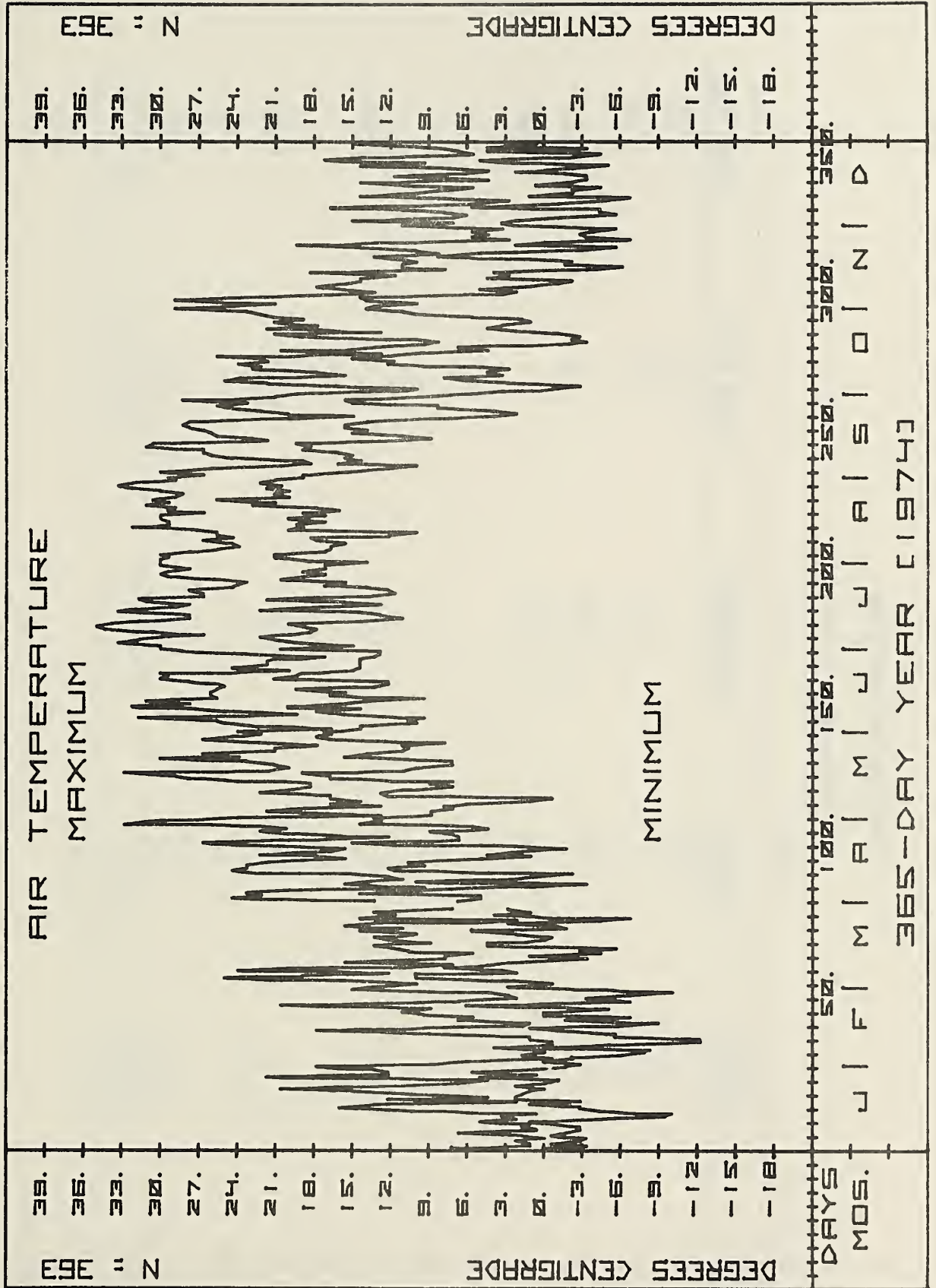
Day of 1974	Relative Humidity %		Air Temperature °C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
337	88	28	15.0	2.2	756	745
338	58	28	7.2	-1.1	767	756
339	92	30	6.1	-5.6	-	-
340	96	30	7.3	-4.4	-	-
341	96	63	10.0	-4.4	767	758
342	96	50	16.7	5.6	761	758
343	96	38	6.7	-1.1	765	757
344	89	34	2.8	-5.0	757	750
345	94	36	8.9	-6.7	759	755
346	92	40	14.4	1.1	762	759
347	96	46	10.0	-2.2	764	761
348	94	46	8.3	-2.2	767	760
349	98	72	5.6	-4.4	768	761
350	96	74	11.1	0.6	761	748
351	95	42	14.4	-2.2	755	751
352	34	34	4.4	-3.3	762	753

(Continued)

Weather Station Data

Day of 1974	Relative Humidity %		Air Temperature ° C		Barometric Pressure mm of Mercury	
	Max.	Min.	Max.	Min.	Max.	Min.
353	90	38	11.7	-3.3	761	755
354	90	38	6.1	-1.7	763	759
355	94	78	4.4	2.2	759	756
356	99	40	7.2	-2.2	768	757
357	98	34	14.4	-5.0	768	762
358	90	40	9.4	2.8	762	758
359	98	38	17.2	5.0	763	750
360	84	34	14.4	-1.1	771	763
361	90	36	5.6	-4.4	769	761
362	94	44	6.7	4.4	766	761
363	96	48	7.8	-3.3	765	759
364	90	73	10.0	4.4	768	759
365	90	38	15.0	0.6	770	758





Weather Station Data
Centimeters of Water

Day of 1974	South Central	Central	South West	South East	North West
1	1.07	1.30	-	2.06	0.56
2	-	-	-	-	-
3	1.32	-	{ 1.37	1.22	0.46
4	-	1.40		-	1.14
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	Trace
8	-	-	-	-	-
9	{ 3.10	1.32	1.37	1.40	1.42
10		0.84	0.97	-	1.14
11	0.53	1.19	1.17	2.29	0.89
12	-	{ 0.02	-	-	-
13	-		-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
17	-	-	-	-	-
18	-	-	-	-	-
19	-	-	0.13	-	0.08
20	-	-	-	1.19	-
21	1.40	1.27	1.32	-	1.17
22	-	-	-	-	-
23	-	-	-	-	-
24	1.32	-	0.30	-	0.38
25	-	1.24	1.04	-	0.97
26	0.30	-	0.25	1.63	0.20
27	-	-	-	-	0.08
28	-	-	0.51	0.15	0.30
29	-	0.23	-	-	-
30	-	-	-	-	-
31	-	-	-	-	-
32	-	-	-	-	-

Weather Station Data

Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
33	↑	-	-	-	-
34		0.53	0.61	-	0.61
35		-	-	-	-
36	2.72	-	-	-	-
37	↓	0.05	-	1.55	0.18
38		0.76	0.84	-	0.71
39		1.22	0.89	-	0.71
40		0.13	-	0.38	Trace
41	-	0.08	0.05	-	-
42	-	-	-	-	Trace
43	-	-	-	-	-
44	-	0.05	0.05	-	-
45	-	0.10	-	-	-
46	-	Trace	-	-	-
47	-	0.10	0.51	-	0.38
48	-	0.33	-	-	0.02

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
49	-	-	-	-	-
50	-	0.02	0.05	-	-
51	-	-	-	-	-
52	-	0.02	0.30	-	-
53	0.74	0.25	0.05	-	0.23
54	-	-	-	0.84	-
55	-	0.05	-	-	-
56	-	0.20	-	-	0.18
57	-	-	-	-	-
58	-	0.05	-	-	-
59	-	0.02	-	-	-
60	-	-	-	-	-
61	-	0.30	0.43	-	0.33
62	-	-	-	-	-
63	-	-	-	-	-
64	-	-	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
65	-	0.18	0.61	-	0.53
66	1.07	0.61	-	-	0.08
67	-	0.10	-	-	-
68	-	-	-	-	Trace
69	-	-	-	1.09	-
70	↑	0.05	-	-	Trace
71		0.61	0.66	-	0.53
72	3.56	-	-	-	-
73	↓	-	-	-	-
74		0.05	-	-	-
75		2.29	2.87	-	2.79
76	-	0.84	-	3.45	0.18
77	-	-	-	-	-
78	-	0.18	0.08	-	-
79	-	-	-	-	-
80	3.33	3.30	3.48	-	3.35

Weather Station Data

Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
81	↑	0.02	-	3.43	-
82		-	-	↑	Trace
83		0.10	-		-
84	↑	-	-		-
85	2.79	0.13	-	5.59	-
86	↓	0.05	-	↓	-
87		0.08	-		-
88		0.64	0.94		1.22
89	0.76	5.64	5.03		4.70
90	-	0.20	0.23	0.79	0.23
91	-	-	-	-	-
92	-	0.10	-	-	0.10
93	-	-	-	-	-
94	0.69	0.05	0.15	0.28	0.13
95	1.68	1.98	1.88	-	1.70
96	-	-	-	-	Trace

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
97	-	0.05	-	4.83	-
98	-	0.81	1.98	{ 1.30	1.42
99	3.45	2.69	1.88		2.16
100	↑ 4.11 ↓	0.02	0.02	-	0.02
111		Trace	-	-	-
102		0.05	-	-	-
103		0.69	0.69	0.76	-
104		Trace	-	-	0.89
105	-	-	-	-	-
106	-	0.05	-	-	-
107	-	0.10	-	-	-
108	-	0.08	-	-	-
109	-	0.05	-	-	-
110	-	Trace	-	-	-
111	-	Trace	-	-	-
112	-	-	0.96	-	-

Weather Station Data

Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
113	0.89	1.04	-	0.89	0.89
114	-	Trace	-	-	-
115	-	0.02	-	-	-
116	-	0.05	-	-	-
117	-	-	0.43	-	-
118	-	-	-	-	-
119	-	0.02	-	-	-
120	-	-	-	-	-
121	-	0.05	-	-	-
122	-	0.08	-	-	-
123	1.52	1.52	1.42	-	1.78
124	-	-	-	1.52	-
125	-	0.02	0.38	-	-
126	0.64	0.56	0.10	-	0.46
127	↑	0.73	-	0.50	Trace
128	0.79	-	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
129	↓	0.64	-	-	0.58
130	-	0.10	0.08	0.66	0.02
131	-	-	-	-	-
132	2.62	0.84	-	-	0.20
133	↑	1.65	-	2.77	0.13
134		Trace	-	-	-
135		-	-	-	-
136		-	-	-	-
137		0.05	-	-	-
138	1.37	-	-	-	0.05
139		Trace	2.57	-	-
140		-	-	-	-
141		-	-	-	-
142		-	-	-	-
143		0.89	1.14	-	0.79
144	↓	0.25	-	1.32	0.28

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
145	↑	-	-	-	-
146		-	-	-	-
147	1.37	0.10	-	-	0.05
148	↓	-	-	-	Trace
149		0.08	0.18	-	0.13
150		1.50	1.90	1.52	2.01
151	-	-	-	1.02	-
152	5.16	0.48	1.65	0.02	Trace
153		4.60	3.56	{ 4.06	6.30
154	↑	0.30	0.25		-
155		Trace	-	-	-
156	3.07	Trace	-	-	-
157	↓	-	-	-	-
158		0.05	-	-	-
159		0.28	0.64	-	0.33
160		-	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
161		0.05	-	-	-
162		0.08	-	-	-
163		0.02	-	-	-
164		0.08	-	-	-
165		-	-	-	-
166	3.07	0.08	-	-	-
167		0.69	0.38	-	0.79
168		0.13	-	0.43	0.15
169		0.02	-	-	-
170		0.05	-	-	-
171		0.02	-	-	-
172	↓	0.05	3.43	-	-
173	-	1.65	-	2.13	0.18
174	2.21	1.98	-	1.52	2.77
175	-	0.05	1.52	0.25	0.05
176	-	-	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
177	0.41	-	1.17	-	-
178	-	0.64	-	0.64	0.48
179	1.78	1.70	1.37	-	1.75
180	-	0.33	0.08	2.13	Trace
181	-	-	-	-	-
182	↑	-	0.02	0.02	-
183		0.05	-	-	-
184		0.08	-	-	-
185		0.10	-	-	-
186		0.05	-	-	-
187		0.05	-	-	-
188		0.02	-	-	-
189		0.05	-	-	-
190		0.05	-	-	-
191		0.05	-	-	-
192		0.08	0.08	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
193	1.47	0.10	-	-	-
194		0.05	-	-	-
195		0.05	-	-	-
196		0.02	-	-	-
197		0.02	-	-	-
198		0.05	-	-	-
199		0.08	-	-	-
200		0.23	0.13	0.13	-
201		-	-	-	0.13
202		Trace	-	-	-
203	1.47	Trace	-	-	-
204		Trace	-	-	-
205		0.20	0.25	0.38	0.15
206		Trace	-	-	-
207		0.10	0.13	0.23	0.05
208		-	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
209	↓	0.02	-	-	-
210		0.02	1.45	-	-
211		1.40	0.05	1.24	1.35
212		-	-	-	-
213	-	0.02	-	-	-
214	0.02	0.02	-	-	Trace
215	-	-	0.15	0.23	0.28
216	-	0.10	0.30	-	0.02
217	-	0.20	-	-	0.23
218	-	0.20	-	-	-
219	1.90	1.65	1.57	2.01	1.32
220	0.66	-	0.76	-	0.89
221	0.13	0.69	0.15	-	0.94
222	-	0.15	-	1.02	0.08
223	-	-	-	-	-
224	-	-	1.47	-	-

(Continued)

Weather Station Data
Centimeters of Water

Day of 1974	South Central	Central	South West	South East	North West
225	0.69	0.51	-	-	0.48
226	-	0.02	-	-	-
227	-	0.02	0.10	0.18	-
228	-	0.02	-	-	-
229	-	-	-	-	Trace
230	-	-	-	-	-
231	-	Trace	0.08	-	-
232	-	Trace	-	-	Trace
233	-	-	-	-	-
234	0.28	Trace	0.05	-	-
235	-	1.52	1.22	0.33	1.47
236	-	-	-	-	-
237	-	-	-	-	Trace
238	3.56	-	2.39	-	-
239	-	2.41	-	2.64	-
240	-	Trace	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
241	1.88	0.08	-	-	0.02
242	-	0.02	2.03	-	-
243	-	-	-	1.78	1.22
244	0.96	-	-	-	Trace
245	-	-	-	-	Trace
246	2.62	1.35	1.14	1.32	1.27
247	-	2.77	2.29	0.43	2.31
248	-	0.02	-	-	-
249	-	0.97	1.45	1.12	1.17
250	3.91	3.05	2.36	-	2.54
251	-	Trace	-	-	-
252	-	-	-	-	-
253	0.51	0.05	-	-	Trace
254	-	0.51	0.43	0.46	0.53
255	-	-	-	-	-
256	-	Trace	-	-	-

Weather Station Data

Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
257	-	-	-	-	-
258	-	0.02	-	-	Trace
259	-	0.08	-	-	-
260	-	-	-	-	Trace
261	-	Trace	-	-	-
262	-	Trace	-	-	-
263	-	Trace	0.25	-	-
264	-	Trace	-	-	-
265	-	0.28	-	0.43	0.28
266	-	-	-	-	-
267	-	0.08	-	-	-
268	-	-	-	-	-
269	-	0.05	-	-	-
270	-	0.02	-	-	-
271	3.48	3.66	4.14	-	3.73
272	0.30	0.33	-	2.21	0.64

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
273	-	Trace	0.38	-	-
274	-	0.05	-	-	-
275	-	0.02	-	-	Trace
276	-	0.05	-	-	-
277	-	0.02	-	-	-
278	-	0.05	-	-	-
279	-	0.02	-	-	-
280	-	0.02	-	-	-
281	-	0.05	3.12	-	-
282	-	Trace	-	-	-
283	-	0.02	-	-	-
284	-	0.02	-	-	-
285	-	0.02	-	-	-
286	-	Trace	-	-	-
287	-	Trace	-	-	-
288	-	-	-	-	-

Weather Station Data

(Continued)

Centimeters of Water

Day of 1974	South Central	Central	South West	South East	North West
289	2.79	3.94	-	-	4.11
290	-	0.10	-	2.82	Trace
291	-	0.02	-	-	-
292	-	-	-	-	-
293	-	-	-	-	-
294	-	-	-	-	-
295	-	Trace	-	-	-
296	-	0.02	-	-	-
297	-	-	-	-	-
298	-	-	-	-	-
299	-	Trace	-	-	-
300	-	0.02	-	-	-
301	-	0.02	-	-	-
302	-	0.02	-	-	-
303	-	0.02	-	-	-
304	-	-	-	-	-

Weather Station Data
Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
305	-	-	-	-	-
306	-	-	-	-	-
307	-	-	-	-	-
308	-	-	-	-	-
309	0.74	0.71	0.76	-	-
310	-	-	-	-	0.76
311	-	-	-	0.84	-
312	-	-	-	-	-
313	-	-	-	-	-
314	-	-	-	-	-
315	-	Trace	-	-	-
316	-	0.99	1.19	-	1.02
317	1.09	0.15	0.13	1.09	-
318	-	Trace	-	-	-
319	-	0.28	-	0.23	0.41
320	-	-	-	-	-

Weather Station Data

Centimeters of Water

(Continued)

Day of 1974	South Central	Central	South West	South East	North West
321	-	-	-	-	-
322	-	0.05	-	-	-
323	-	0.02	-	-	Trace
324	-	0.15	0.64	-	0.25
325	0.76	0.20	0.23	-	0.23
326	-	-	-	0.56	-
327	-	-	-	-	-
328	-	-	-	-	-
329	-	0.58	-	-	0.43
330	-	-	-	0.89	0.20
331	-	-	-	-	-
332	-	-	-	-	-
333	-	-	-	-	-
334	-	-	-	-	-
335	-	2.56	1.47	1.90	1.35
336	4.42	-	2.64	-	1.42

Weather Station Data
Centimeters of Water

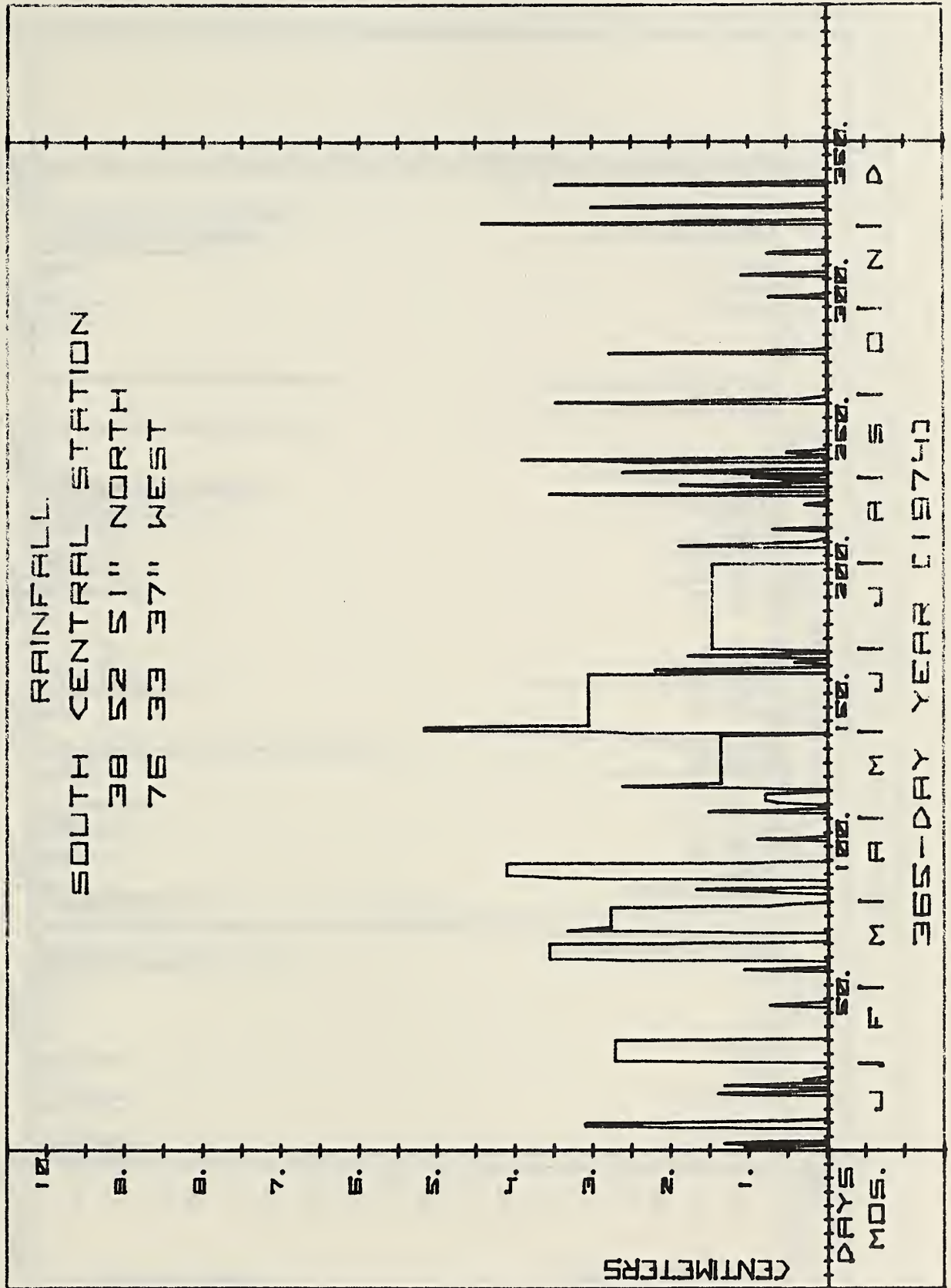
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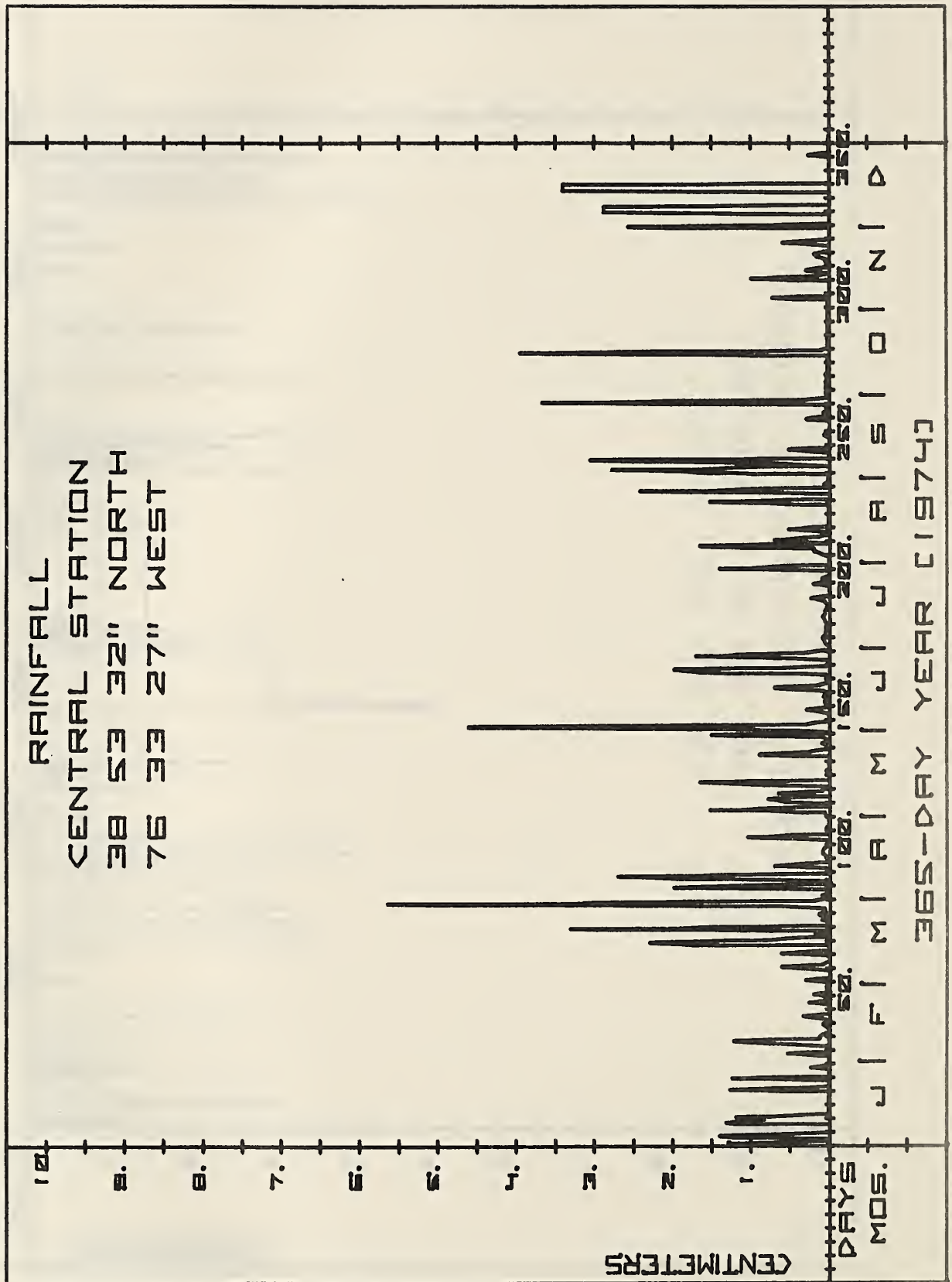
Day of 1974	South Central	Central	South West	South East	North West
337	-	-	-	-	Trace
338	-	-	-	-	-
339	-	-	-	-	-
340	-	-	-	-	-
341	-	2.87	2.84	-	-
342	3.02	-	-	4.52	3.10
343	-	-	-	-	-
344	-	-	-	-	-
345	-	-	-	-	-
346	-	-	-	-	Trace
347	-	-	-	0.28	-
348	-	-	0.23	-	0.28
349	-	3.40	-	-	-
350	3.48	-	-	-	3.26
351	-	-	-	3.50	Trace
352	-	-	-	-	-

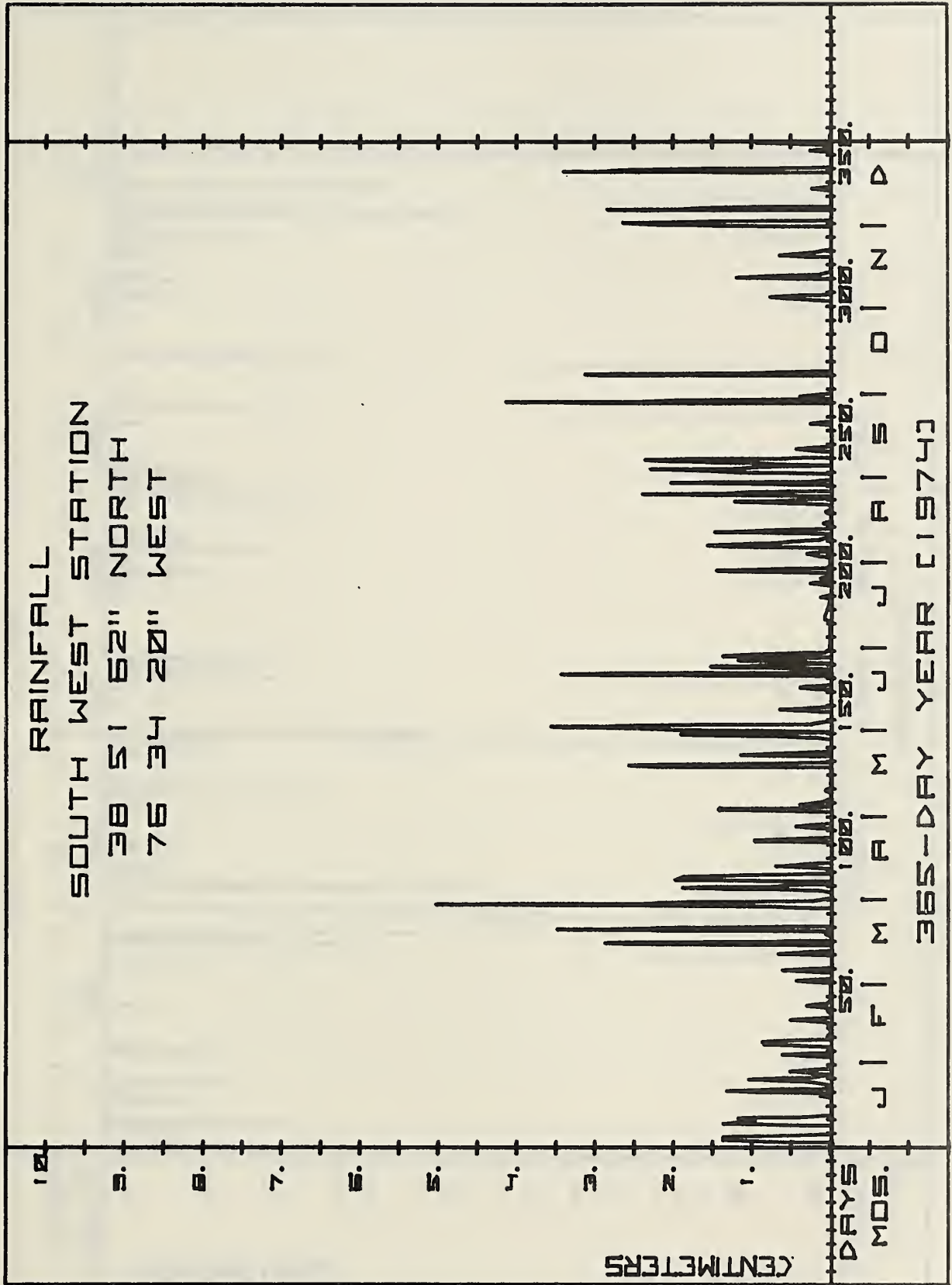
Weather Station Data
Centimeters of Water

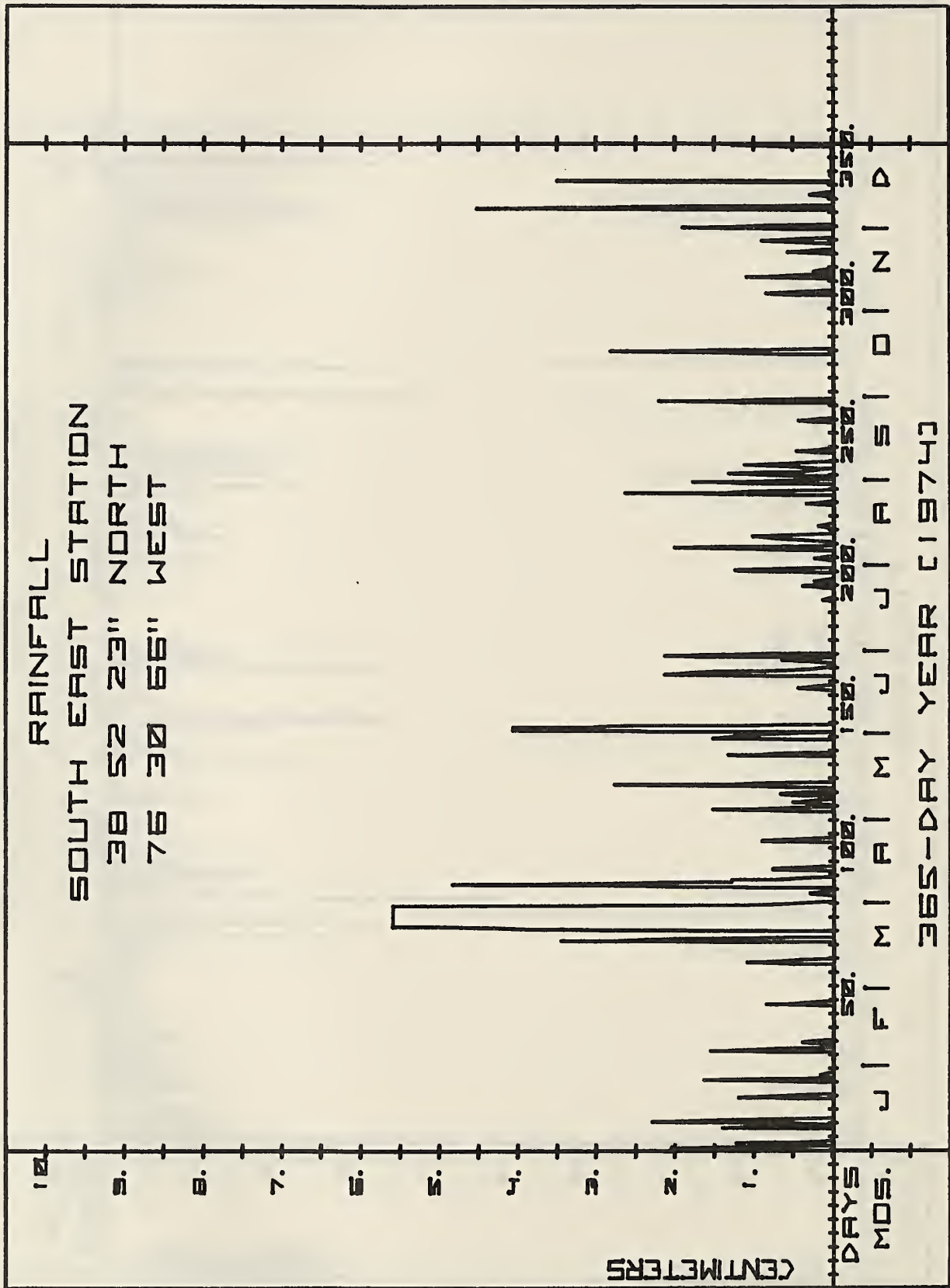
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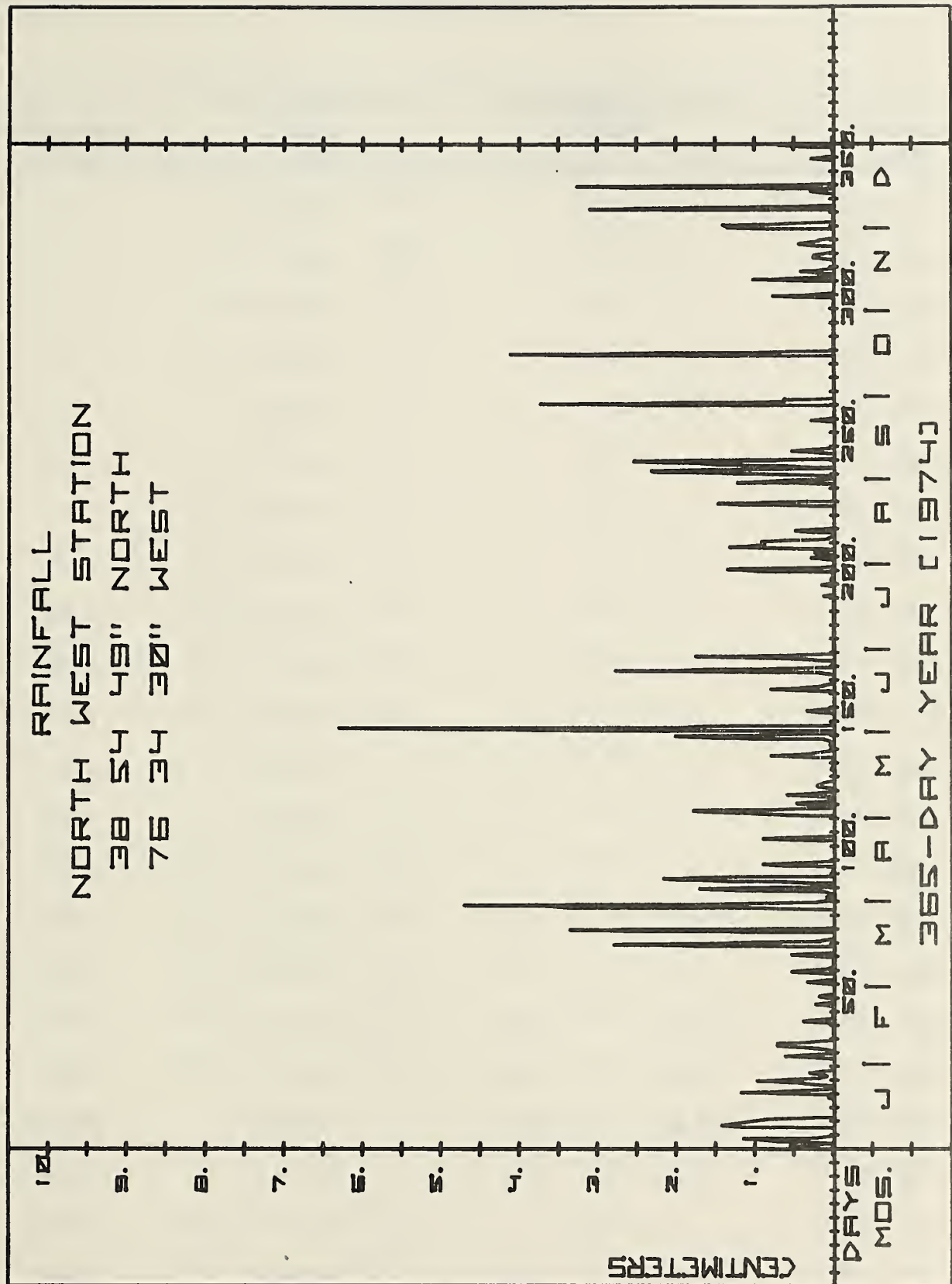
Day of 1974	South Central	Central	South West	South East	North West
353	-	Trace	-	-	-
354	-	-	-	0.05	-
355	-	-	3.40	-	-
356	-	-	-	-	-
357	-	-	-	-	-
358	-	-	-	-	-
359	-	-	-	-	-
360	-	-	-	-	0.28
361	-	0.25	-	-	Trace
362	-	-	0.25	-	-
363	-	-	-	-	-
364	-	-	-	-	-
365	-	-	0.94	1.27	0.69











Evaporation Data

Day of 1974	Water Temperature °C		Wind Km	Evaporation Cm
	Max.	Min.		
91	-	-	13.30	-
92	-	-	3.67	-
93	-	-	21.50	-
94	-	-	21.50	-
95	-	-	41.70	-
96	-	-	41.70	-
97	-	-	41.70	-
98	-	-	74.71	-
99	-	-	15.54	0.43
100	-	-	50.84	0.38
101	-	-	15.35	0.36
102	-	-	21.26	0.41
103	-	-	21.26	0.41
104	-	-	21.26	0.41
105	25.0	13.9	97.02	0.89
106	-	-	2.30	0.66
107	25.6	5.6	12.31	0.53
108	25.6	6.7	14.23	0.53
109	25.0	11.1	12.24	0.38
110	17.8	4.4	11.87	0.30
111	-	-	11.87	0.30
112	28.3	7.8	44.38	1.07

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
113	26.7	16.1	29.40	0.58
114	25.6	7.8	32.50	0.46
115	23.9	4.7	24.49	0.36
116	25.6	8.9	18.02	0.56
117	-	-	18.02	0.56
118	-	-	18.02	0.56
119	32.2	11.1	44.25	1.52
120	33.3	17.2	7.71	0.53
121	32.8	17.8	34.93	0.89
122	28.3	10.6	12.37	0.58
123	23.9	10.6	1.18	0.08
124	-	-	1.18	0.08
125	-	-	1.18	0.08
126	26.1	9.4	54.07	1.47
127	23.3	7.8	13.36	0.53
128	24.4	5.6	14.17	0.43
129	24.4	12.2	22.93	0.30
130	26.1	15.0	31.08	0.10
131	-	-	31.08	0.10
132	-	-	31.08	0.10
133	28.9	12.2	50.96	1.22
134	31.1	12.2	10.56	0.36
135	33.3	16.7	24.86	0.64

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
136	35.6	20.0	8.14	0.61
137	-	-	8.14	0.61
138	-	-	8.14	0.61
139	-	-	8.14	0.61
140	37.2	11.1	38.10	1.83
141	30.6	15.6	7.71	0.43
142	34.4	15.6	1.49	0.30
143	34.4	21.7	11.56	0.66
144	29.4	17.8	5.97	0.28
145	-	-	5.97	0.28
146	-	-	5.97	0.28
147	-	-	5.97	0.28
148	30.0	12.2	36.54	1.70
149	28.9	17.2	9.82	0.36
150	28.9	20.6	3.17	0.36
151	27.8	18.9	6.28	0.28
152	-	-	-	-
153	-	-	-	-
154	30.0	15.6	20.14	0.53
155	32.2	17.2	6.34	0.43
156	33.9	17.8	8.20	0.58
157	33.3	16.7	6.59	0.64
158	33.3	17.8	13.55	0.56

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
159	33.3	17.8	13.55	0.56
160	33.3	17.8	13.55	0.56
161	33.9	18.9	24.11	1.02
162	38.3	22.2	16.03	0.89
163	30.0	17.2	12.93	0.46
164	31.7	16.1	8.08	0.58
165	32.2	19.4	9.51	0.56
166	32.2	19.4	9.51	0.56
167	32.2	19.4	9.51	0.56
168	33.9	18.8	44.00	1.70
169	32.2	16.7	6.46	0.53
170	32.8	17.8	10.81	0.61
171	34.4	21.7	15.54	0.61
172	34.4	22.2	13.92	0.51
173	34.4	22.2	13.92	0.51
174	34.4	22.2	13.92	1.29
175	33.3	16.7	43.13	0.15
176	29.4	18.3	11.44	0.43
177	26.7	17.8	11.75	0.36
178	27.2	18.3	8.51	0.23
179	25.6	16.7	33.56	0.23
180	25.6	16.7	33.56	0.23
181	25.6	16.7	33.56	0.23

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
182	33.9	14.4	34.84	0.96
183	-	-	34.84	0.96
184	38.9	20.0	15.40	1.22
185	38.9	23.9	4.35	0.64
186	38.9	23.3	11.49	0.66
187	-	-	11.49	0.66
188	-	-	11.49	0.66
189	39.4	21.1	13.48	1.42
190	39.4	23.9	4.16	0.86
191	38.9	25.0	7.45	0.61
192	37.8	22.8	16.27	0.76
193	33.3	16.7	11.68	0.71
194	-	-	11.68	0.71
195	-	-	11.68	0.71
196	37.2	17.8	24.10	1.78
197	36.7	22.2	7.64	0.56
198	35.0	19.4	6.40	0.64
199	34.4	21.1	5.03	0.53
200	35.0	24.4	7.58	0.53
201	-	-	7.58	0.53
202	-	-	7.58	0.53
203	34.4	17.8	4.03	2.06
204	33.3	19.4	10.31	0.48

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
205	27.8	21.1	3.48	0.15
206	25.6	20.0	6.09	0.18
207	29.4	21.1	9.01	0.18
208	-	-	9.01	0.18
209	-	-	9.01	0.18
210	37.8	22.2	23.10	1.50
211	37.2	20.6	13.73	0.69
212	35.6	21.7	2.73	0.51
213	34.4	19.4	5.16	0.51
214	35.0	21.7	8.32	0.43
215	35.0	21.7	8.32	0.43
216	35.0	21.7	8.32	0.43
217	33.9	22.2	34.84	0.91
218	33.9	17.8	6.21	0.23
219	31.7	19.4	12.17	0.33
220	26.7	18.9	4.97	0.20
221	26.7	18.9	4.97	0.20
222	26.7	18.9	4.97	0.20
223	26.7	18.9	4.97	0.20
224	32.2	16.1	33.29	1.27
225	32.2	16.1	33.29	1.27
226	32.2	16.1	33.29	1.27
227	36.7	21.7	19.50	1.14

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
228	35.6	21.1	6.52	0.48
229	35.6	21.1	6.52	0.48
230	35.6	21.1	6.52	0.48
231	-	-	12.36	1.04
232	35.6	20.0	4.04	0.33
233	34.4	19.4	12.36	0.48
234	32.8	21.1	12.98	0.43
235	36.7	23.3	3.79	0.48
236	35.6	23.9	3.79	0.48
237	-	-	3.79	0.48
238	35.0	22.8	23.66	1.37
239	33.3	21.7	3.54	0.15
240	35.0	23.9	4.47	0.30
241	36.7	23.9	5.96	0.33
242	36.7	24.4	10.31	0.51
243	-	-	-	-
244	35.6	23.3	-	-
245	35.6	23.3	34.41	0.51
246	35.6	23.3	34.41	0.51
247	33.3	17.8	19.19	2.13
248	33.3	15.6	8.63	0.33
249	33.3	15.6	8.63	0.33
250	33.3	15.6	8.63	0.33

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
251	33.3	15.6	8.63	0.33
252	31.1	16.7	35.22	0.10
253	31.7	16.7	10.87	0.005
254	31.7	16.7	10.87	0.005
255	31.7	16.7	10.87	0.005
256	31.7	16.7	2.61	1.35
257	31.7	16.7	2.61	1.35
258	31.7	16.7	2.61	1.35
259	31.7	16.7	2.61	1.35
260	31.7	16.7	26.09	1.17
261	31.7	16.7	6.71	0.28
262	31.7	16.7	6.71	0.28
263	21.1	-	9.13	0.46
264	21.1	-	9.13	0.46
265	21.1	-	9.13	0.46
266	20.0	-	43.85	1.22
267	11.1	-	9.13	0.33
268	11.1	-	9.13	0.33
269	11.1	-	9.13	0.33
270	11.1	-	9.13	0.33
271	11.1	-	9.13	0.33
272	11.1	-	9.13	0.33
273	21.1	11.7	57.89	1.63

(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
274	24.4	10.0	14.53	0.38
275	22.2	10.0	17.70	0.38
276	19.4	3.3	22.98	0.38
277	19.4	3.3	22.98	0.38
278	19.4	3.3	22.98	0.38
279	19.4	3.3	22.98	0.38
280	19.4	3.3	22.98	0.38
281	19.4	3.3	22.98	0.38
282	26.1	2.2	40.93	1.68
283	-	-	40.93	1.63
284	24.4	7.8	9.63	0.48
285	24.4	7.8	9.63	0.48
286	24.4	7.8	9.63	0.48
287	24.4	7.8	9.63	0.48
288	24.4	15.0	32.55	0.79
289	24.4	15.0	32.55	0.79
290	24.4	15.0	32.55	0.79
291	24.4	9.4	33.73	0.99
292	24.4	9.4	33.73	-
293	24.4	9.4	33.73	-
294	17.2	1.1	35.59	0.76
295	17.2	2.2	4.53	0.20
296	17.2	4.4	6.15	0.20

(Continued)

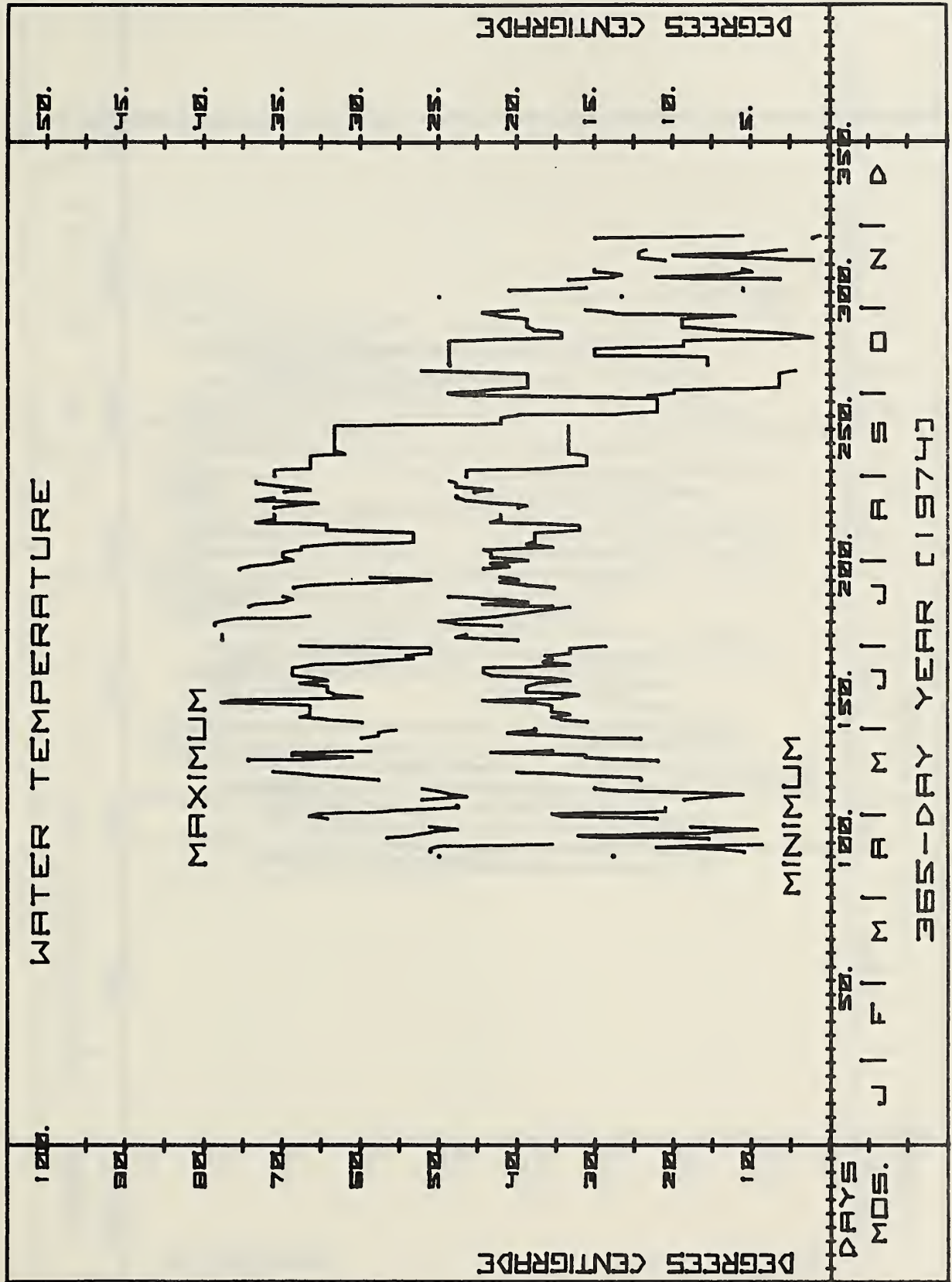
Evaporation Data

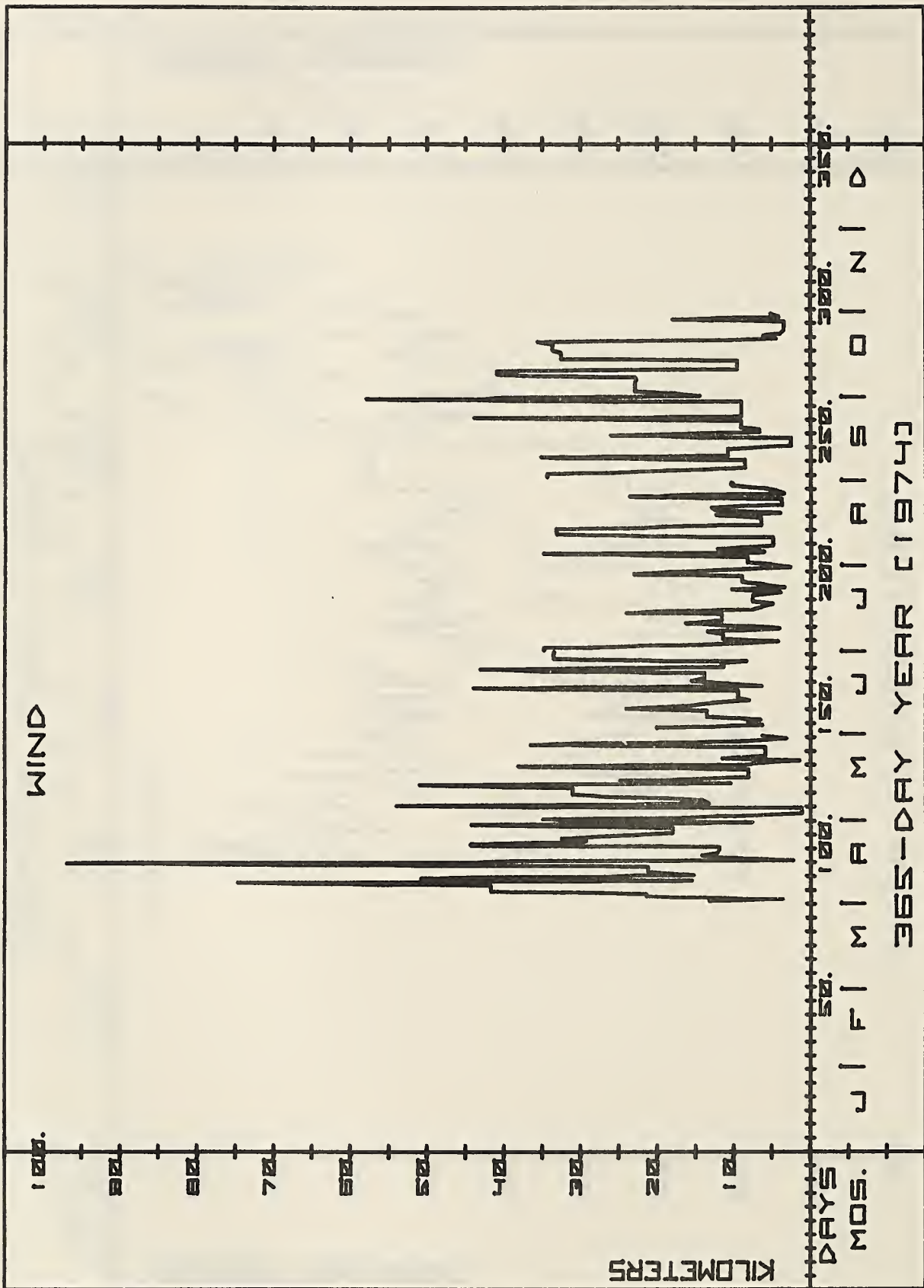
Day of 1974	Water Temperature °C		Wind Km	Evaporation Cm
	Max.	Min.		
296	17.2	4.4	6.15	0.20
297	18.9	7.2	4.04	0.23
298	19.4	9.4	3.42	0.20
299	19.4	9.4	3.42	0.20
300	19.4	9.4	3.42	0.20
301	19.4	9.4	3.42	0.20
302	21.1	6.1	17.95	0.81
303	22.2	13.8	4.22	0.10
304	20.0	15.6	5.22	0.20
305	-	-	-	-
306	-	-	-	-
307	-	-	-	-
308	-	-	-	-
309	25.0	13.3	-	-
310	-	-	-	-
311	20.6	5.6	-	-
312	15.6	5.6	-	-
313	-	-	-	-
314	-	-	-	-
315	16.7	3.3	-	-
316	13.9	11.1	-	-
317	13.3	6.7	-	-
318	15.0	5.0	-	-

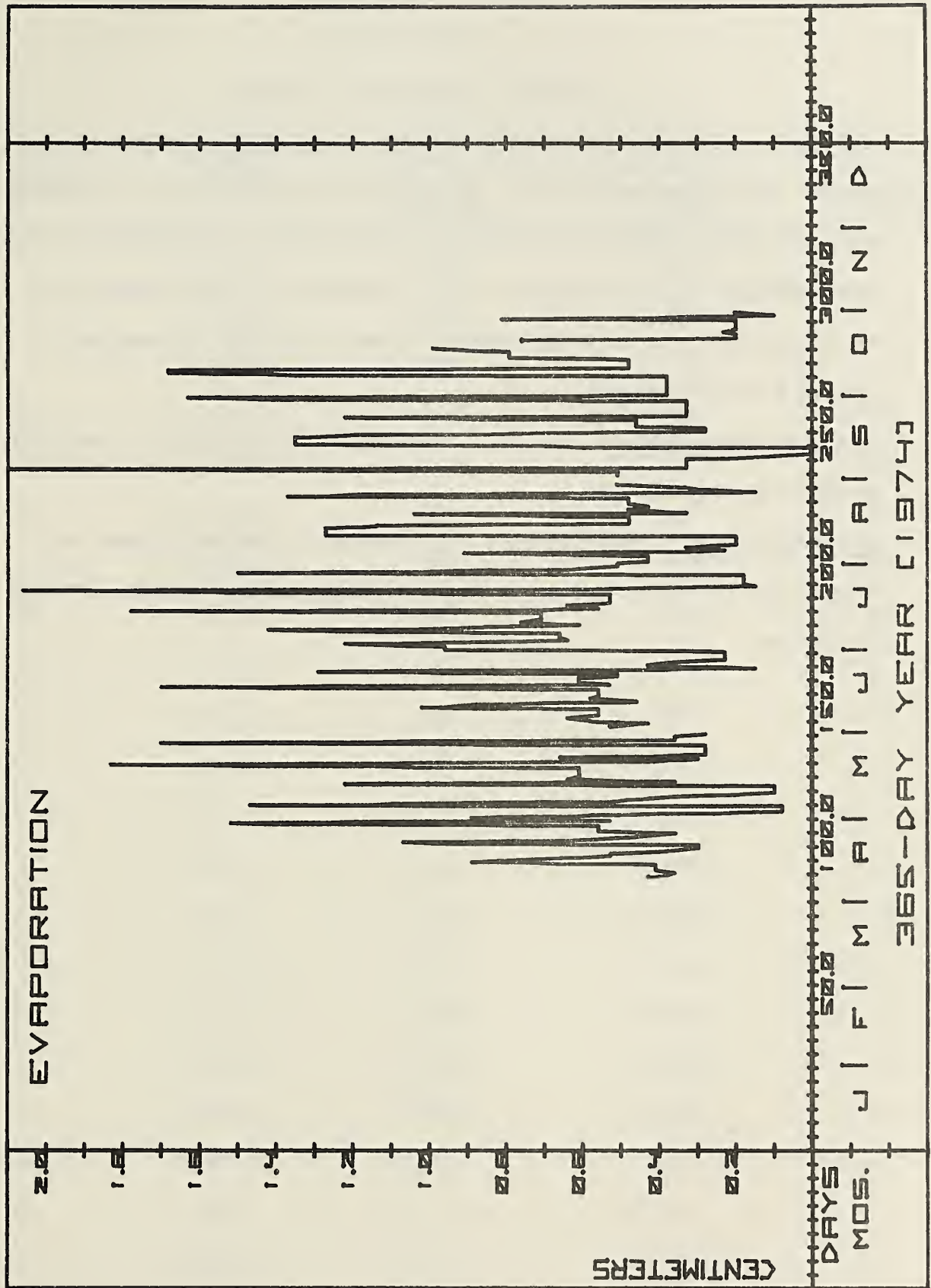
(Continued)

Evaporation Data

Day of 1974	Water Temperature ° C		Wind Km	Evaporation Cm
	Max.	Min.		
319	15.0	5.6	-	-
320	-	-	-	-
321	-	-	-	-
322	10.6	1.1	-	-
323	12.2	5.6	-	-
324	12.2	10.0	-	-
325	12.2	5.0	-	-
326	11.7	2.8	-	-
327	-	-	-	-
328	-	-	-	-
329	-	-	-	-
330	15.0	1.1	-	-
331	5.6	0.6	-	-
332	-	-	-	-
333	-	-	-	-
334	-	-	-	-







Rainfall Composition

Technique - Rain was collected with large polyethylene funnels which drained into glass reservoirs. The collection apparatus was located on the roof of the laboratory building. Samples were analyzed for nitrate plus nitrite, organic nitrogen, total phosphorus, organic matter (by wet digestion), and pH. The procedures were the same as reported in section B of this report.

Principal Investigator: David L. Correll, Radiation Biology Laboratory, Smithsonian Institution.

Research Funding: Smithsonian's Environmental Sciences Program and Program for Research Applied to National Needs of the National Science Foundation.

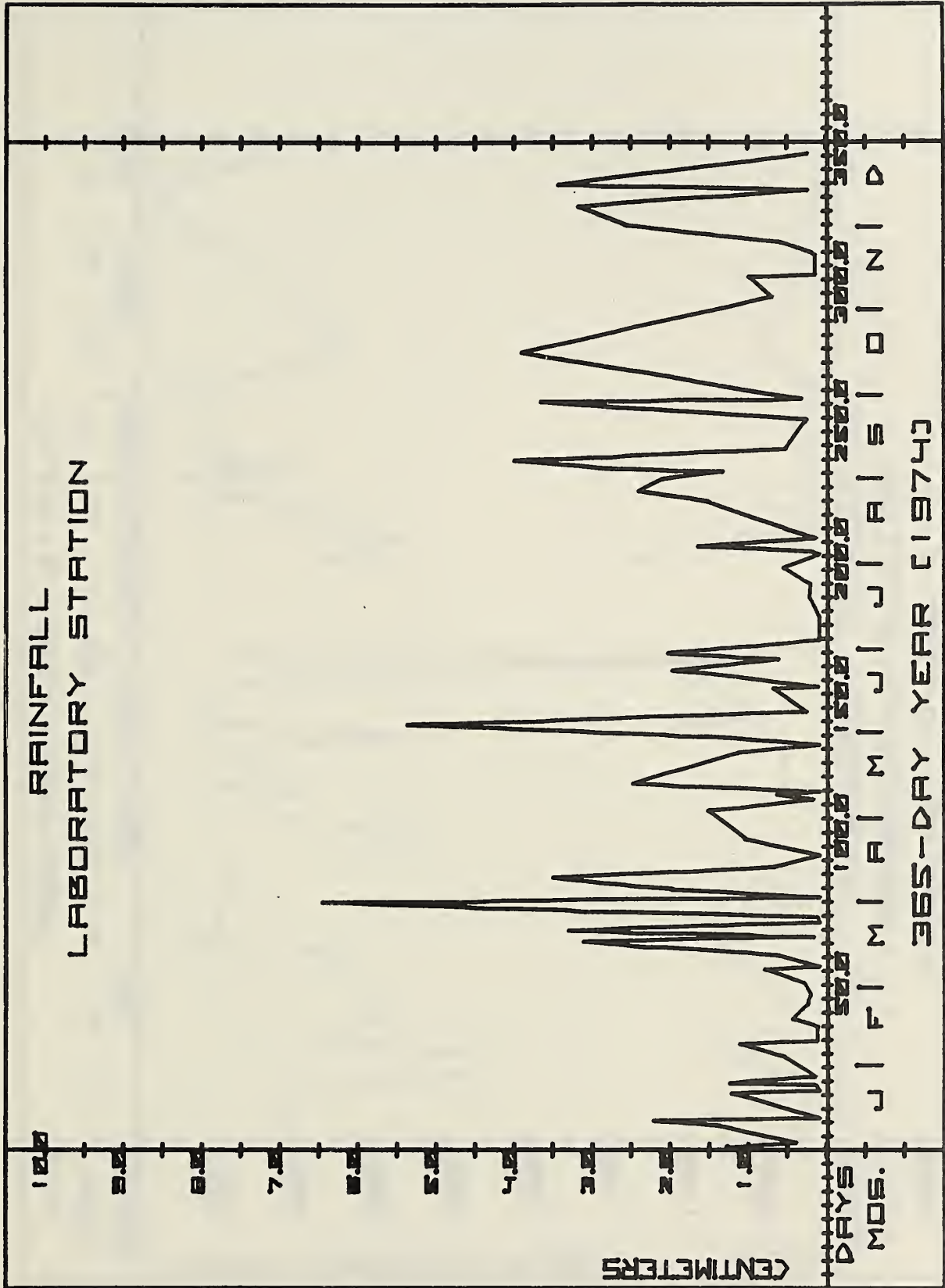
Rainfall Data
(taken at laboratory station)

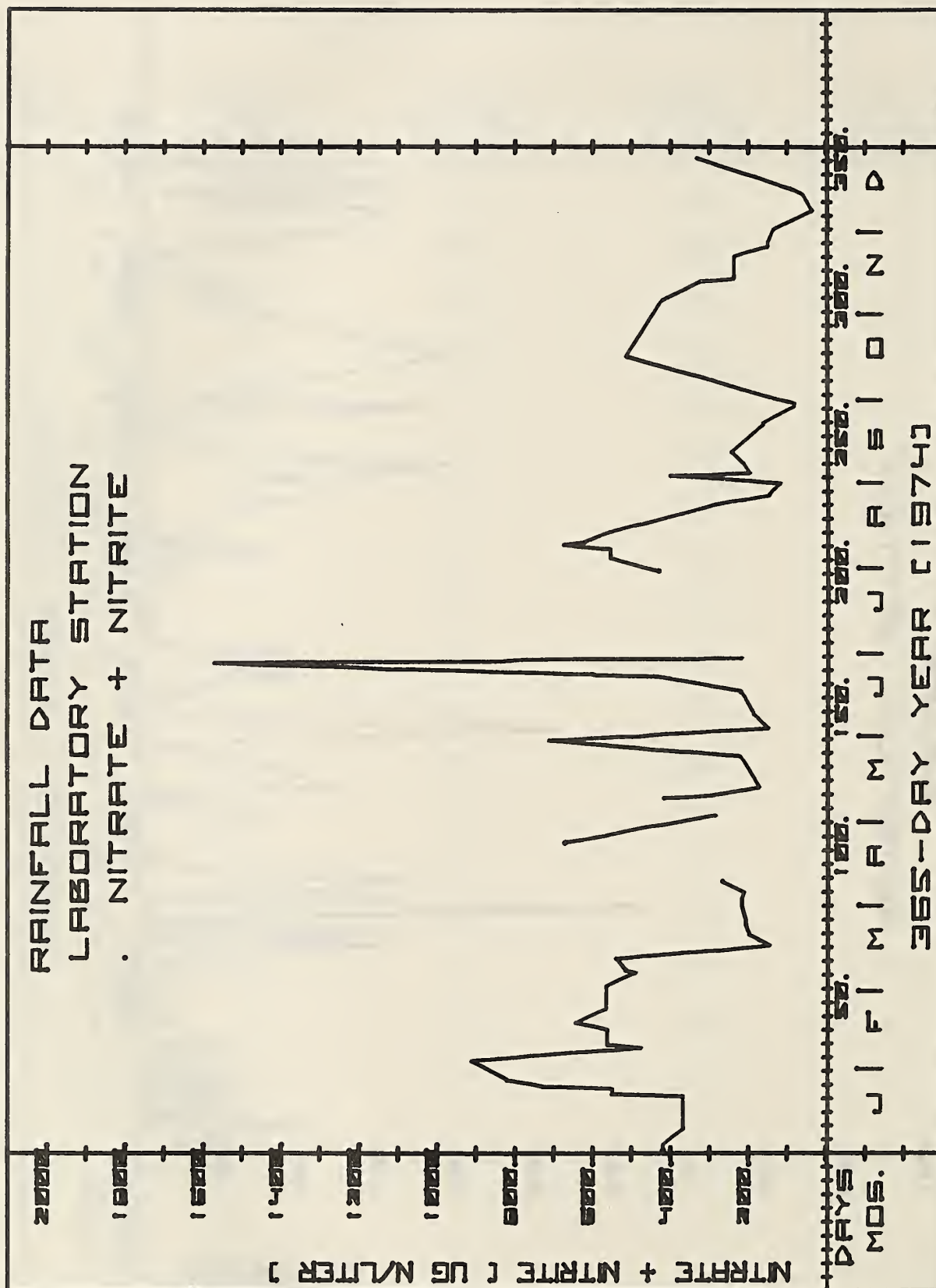
Day of 1974	Rainfall (cm)	Nitrate + Nitrite (ug N/l)	Organic Nitrogen (ug N/l)	Total Phosphorus (ug P/l)
1	1.29	423	283	7
3	0.40	423	283	7
9	1.37	369	204	9
10-11	2.21	372 ^C	204	24 ^C
12	0.10	372 ^C	204 ^C	24 ^C
21	1.22	375	204	38
22	0.10	551 ^C	240 ^C	34 ^C
24	0.15	551 ^C	240 ^C	34 ^C
25	1.24	727	276	29
27	0.15	819 ^C	545 ^C	44 ^C
34	0.53	911	814	58
38-39	1.11	478	414	106
40	0.13	561 ^C	302 ^C	71 ^C
45	0.10	561 ^C	302 ^C	71 ^C
47-48	0.43	644	189	36
53	0.25	568 ^C	473 ^C	45 ^C
56	0.20	568 ^C	473 ^C	45 ^C
61	0.30	568 ^C	473 ^C	45 ^C
65-66	0.79	492	756	45 ^C
67	0.10	517	774	45 ^C
71	0.61	541	792	53

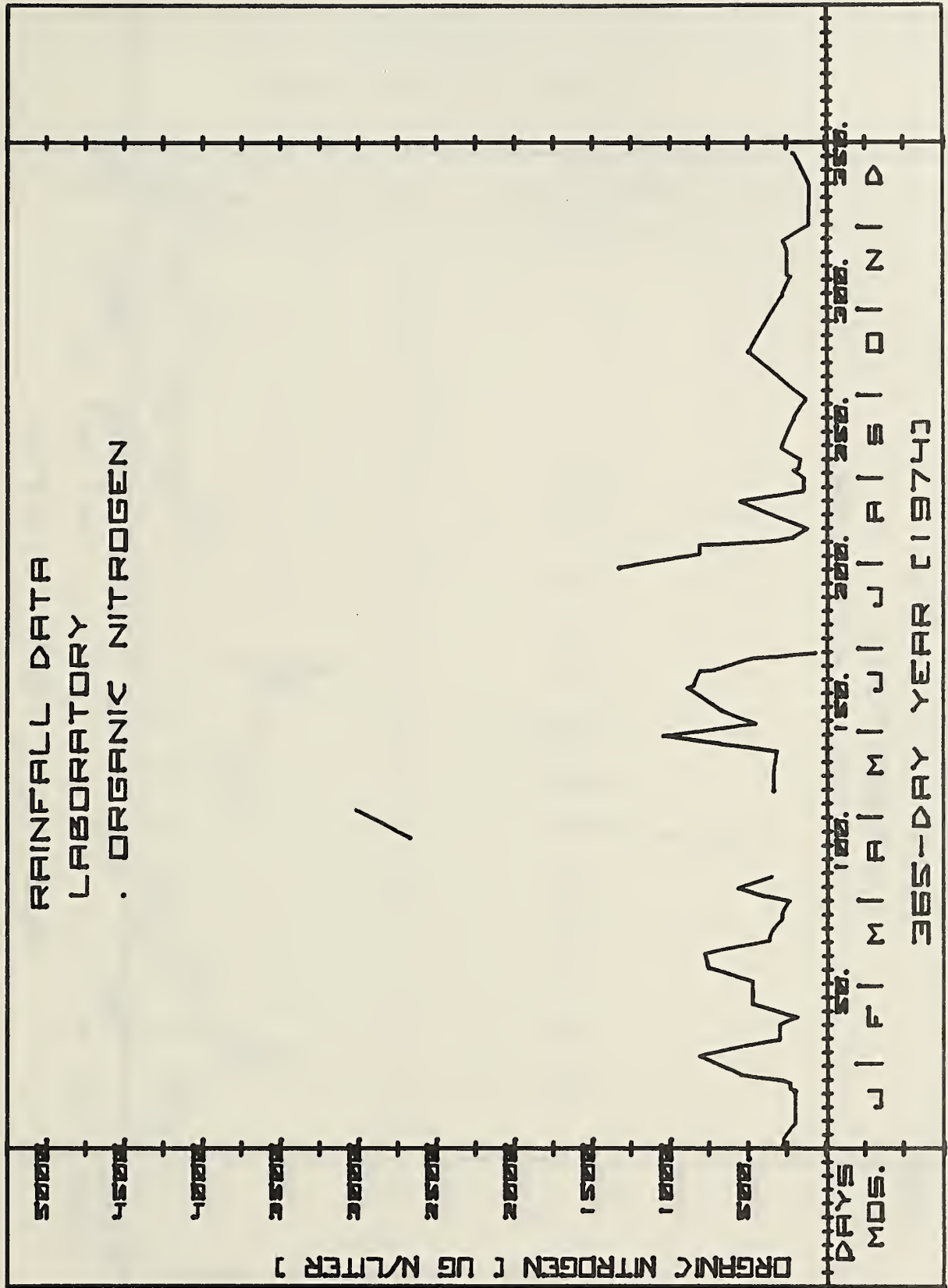
Day of 1974	Rainfall (cm)	Nitrate + Nitrite (ug N/l)	Organic Nitrogen (ug N/l)	Total Phosphorus (ug P/l)
75-76	3.11	148	371	16
78	0.18	174 ^C	353 ^C	11 ^C
80	3.30	200	334	5
83	0.10	211 ^C	284 ^C	8 ^C
85	0.13	211 ^C	284 ^C	8 ^C
88-90	6.46	223	233	11
92	0.10	217 ^C	400 ^C	21 ^C
95	1.98	211	567	31
98-99	3.50	268	356	18
103	0.68	-	-	-
107	0.10	-	-	-
113	1.04	670	2675	400
123	1.52	289	3017	290
126	0.55	-	-	-
127	0.18	-	-	-
129	0.63	417	-	63
130	0.10	296 ^C	342 ^C	76 ^C
132-133	2.48	175	342	88
143-144	1.14	223	313	47
147	0.10	468 ^C	680 ^C	63 ^C
150	1.49	712	1047	79
152-154	5.37	152	458	87
159	0.27	187 ^C	675 ^C	84 ^C

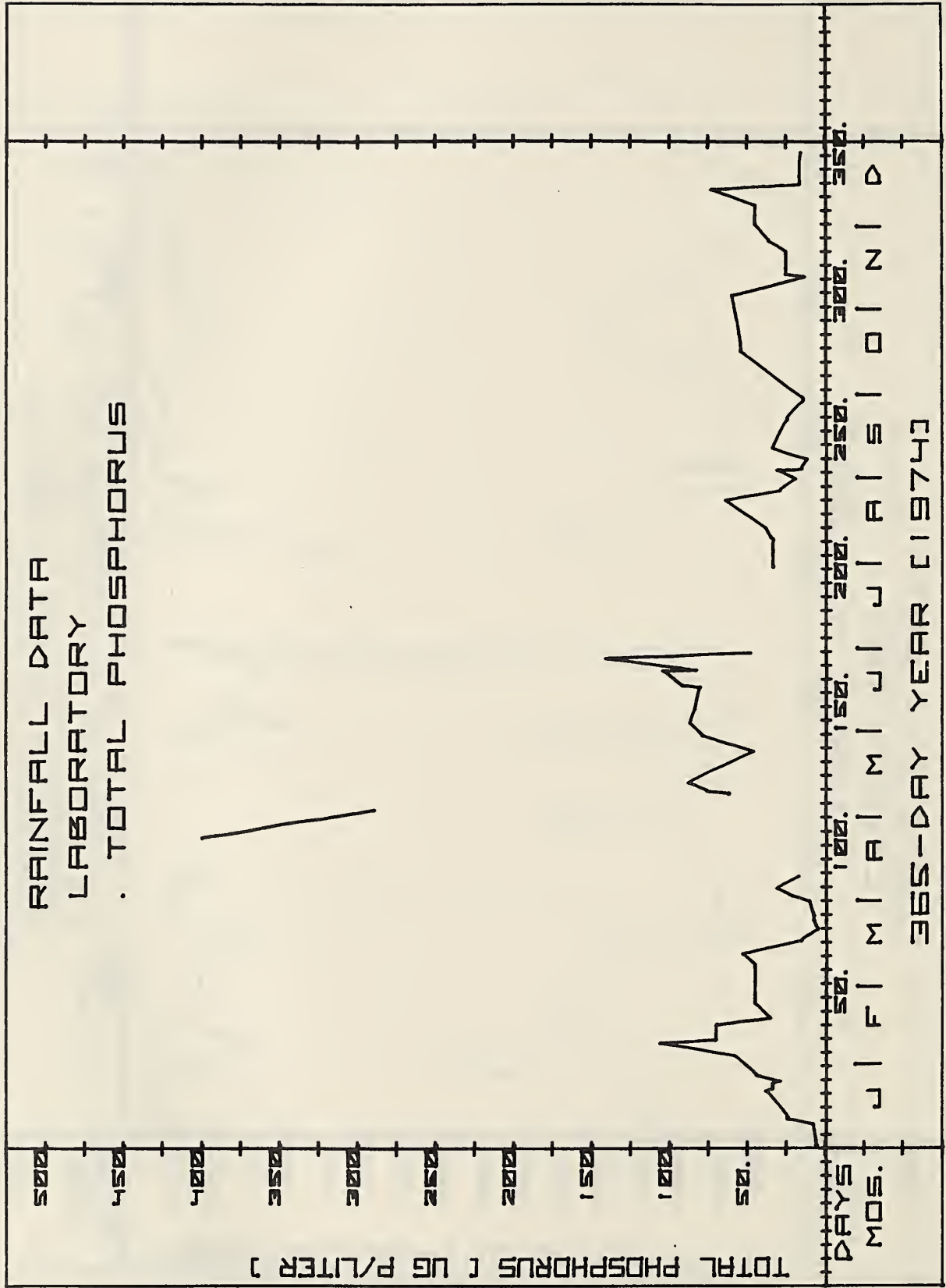
Day of 1974	Rainfall (cm)	Nitrate + Nitrite (ug N/l)	Organic Nitrogen (ug N/l)	Total Phosphorus (ug P/l)
167	0.68	222	891	80
168	0.12	220 ^C	849 ^C	92 ^C
173	1.65	439	807	104
174	1.98	596	720	84
178	0.63	1571	487	141
179-180	2.03	221	73	49
185	0.10	-	-	-
193	0.10	-	-	-
200	0.22	-	-	-
205	0.20	-	-	-
211	0.55	433	1330	34
216	0.10	554 ^C	818 ^C	34 ^C
217	0.20	554 ^C	818 ^C	34 ^C
219	1.65	554 ^C	818 ^C	34 ^C
221	0.68	675	305	33
222	0.15	622 ^C	215 ^C	36 ^C
225	0.50	568	124	39
235	1.52	299	553	64
239	2.41	150	153	30
243	2.13	121	138	20
246	1.34	402	211	31
247	2.76	201	174	16

Day of 1974	Rainfall (cm)	Nitrate + Nitrite (ug N/l)	Organic Nitrogen (ug N/l)	Total Phosphorus (ug P/l)
249-250	4.00	216	158	12
254	0.53	246	284	34
264	0.27	166 ^C	211 ^C	25 ^C
265	0.27	166 ^C	211 ^C	25 ^C
271	3.66	85	138	15
272	0.33	85	138	15
289	3.90	513	494	54
309	0.70	423	284	61
316	0.99	326	225	14
317	0.15	240	255	25
324	0.15	240	255	25
325	0.20	240	255	25
329	0.58	153	284	36
335	2.56	136	116	45
342	3.17	39	102	46
348	0.25	65	109	73
350	3.43	91	116	17
361	0.25	332	211	15







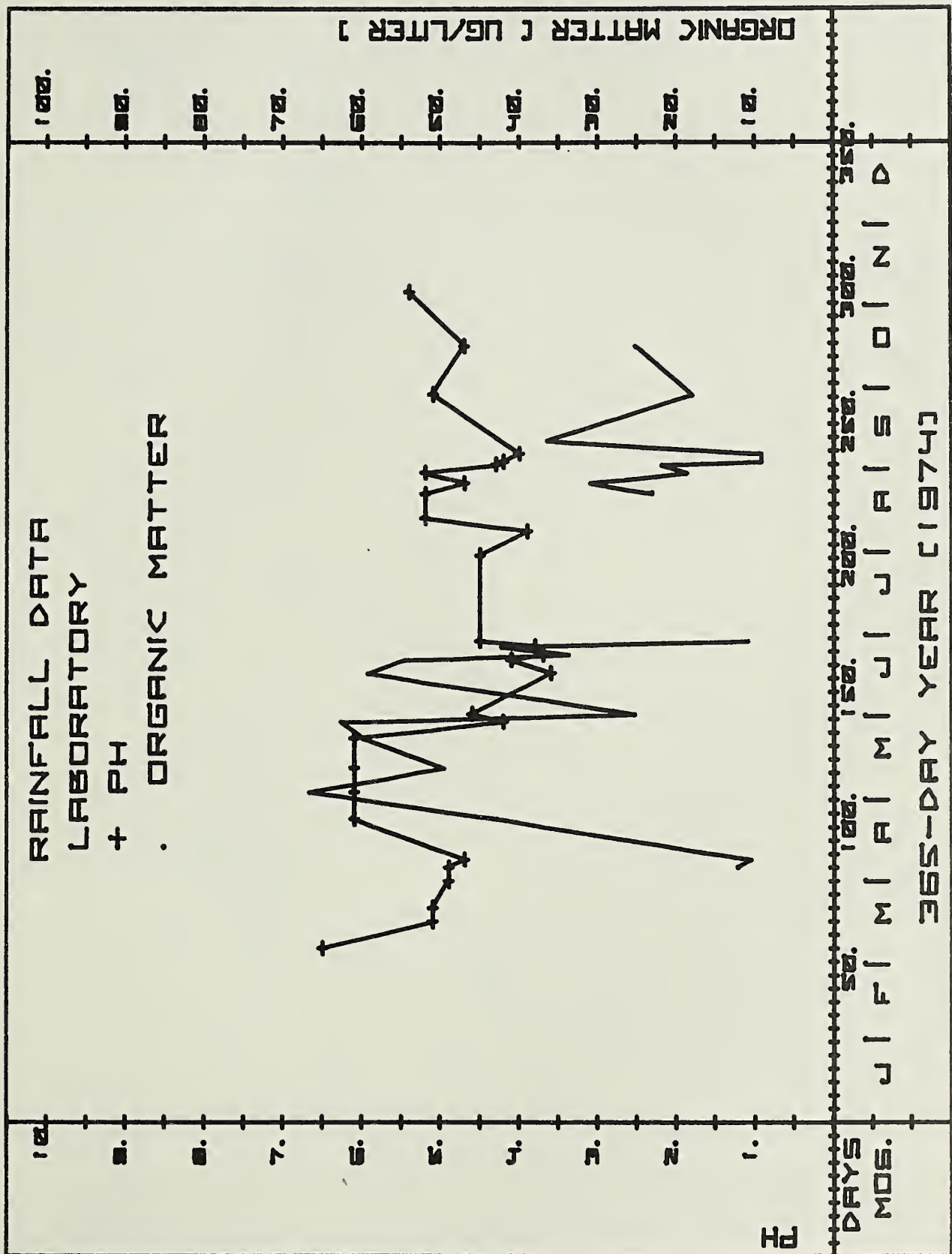


Rainfall Data
(taken at laboratory station)

Day of 1974	pH	Organic Matter (ug/l)
65	6.5	-
75	5.1	-
80	5.1	-
90	4.9	-
95	4.9	12.2
98	4.7	10.5
113	6.1	42.8
123	6.1	66.6
132	6.1	49.6
143	6.1	59.8
149	4.2	62.6
152	4.6	25.2
167	3.6	59.2
172	4.1	54.7
174	3.7	33.7
177	3.8	42.2
179	4.5	10.9
211	4.5	-
220	3.9	-
225	5.2	-
234	5.2	23.1
238	4.7	30.9
242	5.2	18.7

Rainfall Data
(taken at laboratory station)

Day of 1974	pH	Organic Matter (ug/l)
245	4.3	21.8
246	4.2	9.2
249	4.0	9.2
254	-	36.4
271	5.1	18.0
289	4.7	25.1
309	5.4	-



SMITHSONIAN INSTITUTION LIBRARIES



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